CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close			See Eng. News-Record
Oct.	10	Greensboro, N. C. ..... Adv. Sept. 14 to Oct. 5.	Sept. 14
Oct.	10	Covington, La.	Sept. 28
Oct.	10	Tampa, Fla.	Oct. 5
Oct.	10	Ecorse, Mich.	Oct. 5
Oct.	11	Binghamton, N. Y.	Sept. 21
Oct.	11	Ft. Atkinson, Wis.	Oct. 5
Oct.	19	Newark, N. J. ..... Adv. Sept. 28 and Oct. 5	Sept. 7
Oct.	24	Albuquerque, N. M. ..... Adv. Oct. 5.	Oct. 5
Nov.	1	Bay Saint Louis, Miss.....	Oct. 5
Nov.	14	Newport, Ky. ..... Adv. Oct. 5.	Oct. 5

SEWERS

Oct.	10	Syracuse, N. Y.	Sept. 7
Oct.	10	Waseca, Minn.	Sept. 21
Oct.	10	Altoona, Pa.	Oct. 5
Oct.	11	Salt Lake City, Utah.....	Sept. 28
Oct.	11	Brooklyn, N. Y.	Oct. 5
Oct.	12	Cleveland, O.	Oct. 5
Oct.	16	State College, Pa.	Sept. 21
Oct.	16	Hackensack, N. J. ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	16	Ellsworth, Wis. ..... Adv. Oct. 5.	Oct. 5
Oct.	17	Salt Lake City, Utah	Sept. 28
Oct.	17	Laredo, Tex. ..... Adv. Oct. 5.	Oct. 5
Oct.	20	Wash., D. C. ..... Adv. Oct. 5.	Oct. 5
Oct.	24	Albuquerque, N. M. ..... Adv. Oct. 5.	Oct. 5
Oct.	30	Dover, N. J. ..... Adv. Oct. 5.	Oct. 5

BRIDGES

Oct.	7	New Jersey ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	9	White Plains, N. Y.	Sept. 21
Oct.	9	Colorado	Oct. 5
Oct.	10	Virginia	Sept. 28
Oct.	11	Laredo, Tex.	Oct. 5
Oct.	12	Leoni (R. D. Grass Lake), Mich.	Oct. 5
Oct.	14	Tennessee	Oct. 5
Oct.	16	Sacramento, Cal.	Sept. 14
Oct.	17	Rock Mart, Ga.	Oct. 5
Oct.	17	Crystal Falls, Mich.....	Oct. 5
Oct.	19	Chesterfield, S. C.	Sept. 21
Oct.	30	Houston, Tex.	Oct. 5
Oct.	31	Sydney, Australia	Jan. 12
Jan.	23	Spokane, Wash.....	Sept. 21
Sept.	1, 1923	Sydney, New South Wales, Australia	Aug. 3

EXCAVATION, DRAINAGE IRRIGATION

Oct.	10	Red Oak, Ia.	Sept. 28
Oct.	10	Juneau, Wis.	Oct. 5
Oct.	23	Hershey, Neb.	Sept. 28
Oct.	27	Minneapolis, Minn.	Sept. 21

STREETS AND ROADS

Oct.	9	California	Sept. 21
Oct.	9	Laurel, Miss. ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	9	West Park (Cleveland P. O.), O.	Sept. 28
Oct.	9	Orange, Tex.	Sept. 28
Oct.	9	Hammond, Ind.	Oct. 5
Oct.	9	Colorado	Oct. 5
Oct.	10	Georgetown, Tex.	Sept. 28
Oct.	10	Virginia	Sept. 28
Oct.	16	Manchester, Tenn.	Oct. 5
Oct.	10	Michigan	Sept. 28
Oct.	10	Ft. Myers, Fla.	Sept. 21
Oct.	10	New York, N. Y.	Oct. 5
Oct.	10	Bradley Beach, N. J..... Adv. Oct. 5.	Oct. 5
Oct.	10	Sag Harbor, N. Y..... Adv. Sept. 28 and Oct. 5.	Oct. 5
Oct.	10	Denver, Colo.	Oct. 5
Oct.	10	Phila., Pa.	Oct. 5
Oct.	11	Pittsburgh, Pa.	Sept. 28
Oct.	11	Santa Rosa, Calif.	Sept. 28
Oct.	11	Ridgeland, S. C.	Sept. 28
Oct.	11	San Benito, Tex.	Oct. 5
Oct.	11	Long Island City, N. Y....	Oct. 5
Oct.	12	Missouri	Oct. 5
Oct.	12	Princeton, Ind.	Oct. 5
Oct.	13	Iola, Kan.	Sept. 14
Oct.	13	Missouri	Oct. 5
Oct.	13	Lawrence, N. Y. ..... Adv. Oct. 5	Oct. 5
Oct.	13	Fresno, Calif.	Oct. 5
Oct.	13	Ohio	Oct. 5
Oct.	13	Palo Pinto, Tex.	Oct. 5
Oct.	14	Tennessee	Sept. 28
Oct.	14	West Union, W. Va.	Oct. 5
Oct.	14	North Olmsted, O.	Oct. 5
Oct.	14	Vernon, Tex.	Oct. 5
Oct.	16	Coalmont, Tenn.	Sept. 28
Oct.	16	Dade City, Fla.	Sept. 28
Oct.	16	California	Sept. 28
Oct.	16	Syracuse, N. Y. ..... Adv. Oct. 5	Oct. 5
Oct.	16	Perth Amboy, N. J..... Adv. Oct. 5.	Oct. 5
Oct.	16	Houston, Tex.	Oct. 5
Oct.	17	Pennsylvania ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	17	Ballinger, Tex.	Oct. 5
Oct.	17	Johnson City, Tex.	Oct. 5
Oct.	17	Louisiana	Oct. 5
Oct.	18	Wauchula, Fla. ..... Adv. Oct. 5.	Oct. 5
Oct.	19	Charleston, S. C.	Sept. 28
Oct.	19	Crookston, Minn.	Oct. 5
Oct.	24	St. Louis, Mo.	Sept. 28
Oct.	24	St. Louis, Mo.	Oct. 5
Oct.	24	New York ..... Adv. Oct 5.	Oct. 5
Oct.	31	New York, N. Y..... Adv. Oct. 5.	Oct. 5
Jan.	7	Duluth, Minn.	Sept. 28

INDUSTRIAL WORK

Oct.	10	New York, N. Y.	Oct. 5
Oct.	16	Cleveland, O.	Sept. 28

BUILDINGS

Oct.	9	Johnstown, Pa.	Sept. 28
Oct.	9	Knoxville, Tenn.	Sept. 28
Oct.	9	Minneapolis, Minn.	Sept. 28
Oct.	9	New York, N. Y.	Oct. 5
Oct.	10	Detroit, Mich.	Sept. 28
Oct.	10	Selma, Calif.	Sept. 21
Oct.	10	Baltimore, Md.	Sept. 21
Oct.	10	Atlanta, Ga.	Oct. 5
Oct.	10	Detroit, Mich.	Oct. 5
Oct.	10	Butte, Mont.	Oct. 5
Oct.	11	Indianapolis, Ind.	Oct. 5
Oct.	12	Winona, Minn.	Oct. 5
Oct.	12	Wash., D. C.	Oct. 5
Oct.	14	Exeter, Calif.	Oct. 5
Oct.	16	Altoona, Pa. ..... Adv. Sept. 21 to Oct. 5.	Sept. 21
Oct.	16	Port Huron, Mich.	Sept. 28
Oct.	16	Patchogue, N. Y.	Sept. 28
Oct.	16	Columbia, Mo.	Oct. 5
Oct.	17	Racine, Wis.	Sept. 21
Oct.	17	Holdredge, Neb.	Oct. 5
Oct.	17	Superior, Wis.	Oct. 5
Oct.	19	Athens, O.	Sept. 28
Oct.	19	Phoenix, Ariz.	Sept. 28
Oct.	20	Logan, O.	Sept. 28
Oct.	26	Evansville, Ind	Oct. 5
Oct.	31	Creedmoor (Jamaica P. O.), N. Y. ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Nov.	1	Plant City, Fla.	Oct. 5
Nov.	1	Duluth, Minn.	Oct. 5
Nov.	15	Ocean City, N. J.	Oct. 5

FEDERAL GOVERNMENT WORK

Oct.	9	Oil Storage House—Brooklyn, N. Y.	Sept. 28
Oct.	10	Towboat—Mobile, Ala. .... Adv. Sept. 7 to Oct. 5.	Sept. 14
Oct.	11	Hospital — Tupper Lake, N. Y. ..... Adv. Sept. 28 and Oct. 5.	Sept. 21
Oct.	11	Remodeling — Mare Island, Calif.	Sept. 21
Oct.	11	Quarters, etc. — San Diego, Calif.	Sept. 21
Oct.	11	Earthwork, St. Louis, Mo. Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	11	Sewers—Dover, N. J..... Adv. Oct. 5.	Oct. 5
Oct.	13	Pump, etc.—Wash., D. C..	Sept. 28
Oct.	16	Earthwork—Yuma, Ariz..	Sept. 14
Oct.	16	Hospital—Chelsea, N. Y.. Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	16	Mechanical Equipment — Chelsea, N. Y.	Sept. 28
Oct.	17	Extension to Workroom — Fall River, Mass.	Oct. 5
Oct.	18	Quarters—Edgewood, Md..	Sept. 21
Oct.	18	Foundations, etc. — Phila., Pa.	Oct. 5
Oct.	18	Septic Tank, etc.—Virginia Beach, Va.	Oct. 5
Oct.	18	Roof—Portsmouth, N. H..	Oct. 5
Oct.	20	Dredge Tenders — Phila., Pa.	Sept. 28
Oct.	21	Dredging — San Diego, Calif.	Oct. 5
Oct.	23	Dredging — Providence, R. I. ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	23	Dump Scows — Nashville, Tenn. ..... Adv. Sept. 21 to Oct. 5.	Sept. 21
Oct.	24	Pier Removal, etc. — Chicago, Ill. ..... Adv. Sept. 28 and Oct. 5.	Sept. 28
Oct.	25	Dredging — Puget Sound, Wash.	Oct. 5
Oct.	27	Extension to Workroom, etc. —Rochester, Minn. ..... Adv. Oct. 5.	Oct. 5
Oct.	30	Superstructure — Buffalo, N. Y. ..... Adv. Oct. 5	Oct. 5
Oct.	30	Dredging—Providence, R. I. Adv. Oct. 5.	Oct. 5
Oct.	30	Alterations, etc.—Richmond, Va.	Oct. 5
Oct.	31	Dredging—Honolulu, H. T.	Aug. 31

MISCELLANEOUS

Oct.	9	Coal Hopper Equipment, etc. —Northville, Mich.	Sept. 28
Oct.	9	Broken Trap Rock Stone, etc. —New York, N. Y.	Oct. 5
Oct.	10	Steam Turbine, etc.—New Orleans, La. ..... Adv. Aug 17 to Oct. 5.	Aug. 17
Oct.	10	Wood Paving Blocks — New York, N. Y.	Oct. 5
Oct.	11	Rock Fill—San Francisco, Calif.	Oct. 5
Oct.	11	Signal System—Minneapolis, Minn.	Oct. 5
Oct.	11	Wharf and Bulkhead—Boston, Mass.	Oct. 5
Oct.	12	Road Roller—Dallas, Tex..	Oct. 5
Oct.	13	Seawalls—Gloucester, Mass.	Oct. 5
Oct.	13	Spillway and River Protection —Herkimer, N. Y.	Oct. 5
Oct.	16	Tractors—San Jose, Calif..	Oct. 5
Oct.	18	Brick—Wash., D. C.....	Sept. 28
Oct.	20	Bulkhead, etc. — Lawrence Harbor (Cliffwood P. O.), N. J. ..... Adv. Oct. 5.	Oct. 5
Oct.	31	Steam Pumps — Atlanta, Ga. ..... Adv. Oct. 5	Oct. 5
Nov.	4	Transformers, etc. — Melbourne, Australia	Aug. 17
Dec.	18	Coal Handling Plant — Melbourne, Victoria, Australia ..... Adv. Sept. 21 to Oct. 5.	Sept. 21

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Dundee—Defeated $125,000 bond issue for water system. Noted Sept. 21.

N. Y., New York—Bd. Purch., Municipal Bldg., rejected bids opened bids Sept. 19, furnishing, delivering, unloading, stacking and storing high pressure c.i. pipe and special castings, to Dept. Water Supply, Gas & Electricity. Will readvertise. Noted Sept. 14.

W. Va., Wheeling—Rejected bids opened Aug. 18, 17,000 ft. 30 in. steel force mains, 3,000 ft. 36 in. steel reservoir mains, five 1,000,000 gal. steel storage tanks, constructing intake line, 48 in., intake pier and

Waterworks (Continued)

traveling screens. J. N. Chester Engineers, Union Bank Bldg., Pittsburgh, Pa.. engrs. Noted Aug. 17.

Ind., Upland—Upland Water Co. plans new waterworks plans. $45,000. Receiving bids on electrical pumping machinery and other equipment. Engineer not announced.

Ia., Albia—Plans filtration system. $25,000. C. C. Atchison, clk. Engineer not announced.

Ia., Webster City—Plans election in about six weeks to vote on $25,000 bonds for water tower. G. J. Long, city engr.

Mo., Bunceton—Plans pumping plant and distribution system. $35,000.

Mo, Pilot Grove—Plans election to vote on $40,000 bonds for complete water distribution system, pumps, etc. Engineer not selected.

Mo., St. Charles—Plans election to vote on $25,000 bonds for pumps and other waterworks machinery, $16,000 for meters, $18,000 c.i. mains, $3,500 meter connections, etc., $1,500 cleaning mains and $2,000 flow meters. P. W. Loonam, city engr.

Tex., Alvarado—Voted $30,000 bond issue for waterworks improvements also 19,000 for street improvements. Address Mayor.

Tex., Corsicana — Attorney-Generals Dept., Austin, approved $50,000 bond issue for extensive waterworks improvements. J. W. Harrison, city engr.

Ont., Grimsbye—Having plans prepared laying mains in 4 streets. $28,000. Prices wanted on 6 in. pipe. W. T. Randall, city engr.

BIDS DESIRED

Fla., Tampa—Oct. 10, by Temple Terraces, Inc., 801 Citrus Exch. Bldg., one 250 gal. per minute main supply pump, to operate with 5 to 15 ft. suction, with a discharge of 3,200 lin.ft. of 6 in. pipe, etc., alternate bid on 500 gal. per minute pump with direct connected motor; one 500 gal. per minute booster fire pump, to operate on a 6 in. discharge pipe at 70 lb. pressure, alternative bid for installation of automatic control device for starting and stopping specified pump by means of pressure system, etc. V. W. Helm, secy.-treas.

Fla., Tampa—Temple Terraces, Inc., 801 Citrus Exch. Bldg., receiving bids 8,200 ft. 6 in. c.i. pipe, 6,600 4 in. and 600 ft. 3 in. c.i. or galvanized pipe, 8,200 ft. 2 in., 7,400 ft. 1¼ in., 5,000 ft. 1 in. and 1,000 ft. ¾ in. galvanized pipe. V W. Helm, secy.-treas.

Miss., Bay Saint Louis—Nov. 1, by Mayor and City Council, waterworks system. $90,000. Swanson-McGraw Inc., United Fruit Bldg., New Orleans, consult. engrs.

Ky., Newport—Nov. 14, by Bd. Comrs., steam and electric driven deep well pumping machines. G. Hornung, Wool-Sack Bldg., engr.; adv. this issue.

Mich., Ecorse—Oct. 10, by E. J. Dufour, clk., watermains and appurtenances, 2,200 ft. of 6 in. c.i. pipe, 2,485 lb. special castings, sixteen 6 in. gate valves, fifteen 6 in. hydrants, etc. M. L. Brown & Son, 403 Capitol Theatre Bldg., Detroit, engr. Noted Aug. 3.

Wis., Ft. Atkinson—Oct. 11, furnishing and laying 1,600 ft. 6 in. water pipe, 4,600 lb. special casings, 3,600 ft. 6 in. pipe, one brick pumping station, one 300 gal. motor driven centrifugal pump, one 1,000 gal. motor and engine driven pump, one remote contral starter for 1,000 g.p.m. pump, one belt driven air compressor with accessories. Separate bid on each item. $25,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

N. M., Albuquerque—Oct. 24 at office I. V. Malone, clk., for rein.-con. reservoir. F. Kimball, city engr.; adv. this issue. Noted May 4.

BIDS RECEIVED

O., Cleveland—Cuyahoga Co. opened bids Aug. 23, constructing Impvt. 16 of Co. Water Dist. 1, 18,460 ft. 6-10 in. c.i. pipe, from T. P. Egan, Caxton Bldg., $75,853; Joseph Co., 877 Orange Ave., $85,949; Langahan Constr. Co., Marshall Bldg., $88,302. Noted Aug. 17.

O., Columbus—Franklin Co. opened bids Sept. 23, 18,740 ft. 6-12 in. c.i. mains in Sewer Dist. Clinton 2, from Pitt Constr. Co., Inc., Fulton Bldg., Pittsburgh, $33,699; H. E. Miller Constr. Co., 147 South Sandusky St., $34,405; Grant-Boulton Co. 8 East Town St., $36,981. Noted Sept. 14.

CONTRACTS AWARDED

Minn., East Grand Forks—For 1 raw water and 1 clear water motor-driven centrifugal pumps, to R. B. Whitacre & Co., 205 South Robert St., St. Paul, $5,290. Noted Sept. 7.

Sewers

PROPOSED WORK

N. Y., Brooklyn—Oct. 11, by E. Riegelmann, boro pres., Boro Hall, sewers in Gravesend Ave. between Kings Highway and Ave. T, Ave. T between Gravesend Ave. and West 5th St., West 5th St. between Ave. T and Ave. U.

Pa., Scranton — Making plans sanitary sewerage system in Sect. L. 17th Sewer Dist., 12th Ward. $52,763. W. P. Huester, clk.

Pa., Williamsport—See "Streets and Roads."

O., Cleveland—S. H. Kleinman Realty Co. soon takes bids storm and sanitary sewers in Elmwood Park allotment. $40,000. Lander Eng. Co., Blackstone Bldg., engrs.

O., Euclid—Plans sewage disposal plant. $250,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Astoria—Making plans 4 mi. sanitary sewerage system, incl disposal plant, 60,000 gal. settling tank, centrifugal pump, 18,480 ft. of 8 in. and 2,640 ft. 6 in. vitr. clay pipe, 17,000 cu.yd. excav., etc. $40,000. W. A. Fuller Co., 1917 Railway Exch., St. Louis, Mo., engrs.

Minn., Amboy—Having plans prepared sanitary sewerage system and disposal plant. $25,000. W. Mead, clk. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Wash., Kelso—Long-Bell Lumber Co., 14th and Kenman St., Kansas City, Mo., plan storm and sanitary sewerage system, 2 mi. of 48 in. c.i. pipe. Private plans.

BIDS DESIRED

N. Y., Sag Harbor — See "Streets and Roads."

N. J., Dover—Oct. 23, by Bd. Aldermen and Bd. Sewerage, Municipal Bldg., North Sussex St., sewers and appurtenances. C. Potts, 30 Church St., New York City, consult. engr.; adv. this issue.

Pa., Altoona—Oct. 10, by S. B. Taylor, city comr., 14,000 lin.ft. terra cotta and rein.-con. pipe, etc. H. J. Baum, City Hall, city engr.

D. C., Wash.—Oct. 20, by Dist. Comrs., 509 Dist Bldg., for 890 ft. sewer; adv. this issue.

O., Cleveland—Oct 12, sewers in Bessemer Ave. from East 79th to 88th Sts., Dugway Brook (east branch) and Lake Shore Blvd. from pumping plant to discharge sewer. To exceed $25,000. R. Hoffman, City Hall, engr.

Wis., Ellsworth—Oct. 16, by Village Bd. sewerage system and appurtenances. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., consult. engrs.; adv. this issue.

Tex., Laredo—Oct. 17, by L. Villegas, mayor, storm sewers and appurtenances. S. F. Crecelius, Puig Bldg., civil engr.; adv. this issue.

N. M., Albuquerque—Oct. 24, at office I. V. Malone, clk., sewage disposal plant. F. Kimball, city engr.; adv .this issue. Noted May 4.

BIDS RECEIVED

N. Y., New York—H. Bruckner, pres. Bronx Boro, opened bids Sept. 26, sewer in Webster Ave., from Spadaro Contg. Co., 827 East 217th St., New York City, $518,984, Fordham Contg. Co., $589,943, J. F. Cogan Co., 233 Bway., $703,124; paving roadway of West 190th St., sheet asphalt, from C. D. Beckwith, 2875 Bway., $7,979, Asphalt Constr. Co., 208 Bway., $8,098, P. J. Kearns Contg. Co., 2306 Creston Ave., $8,950. Noted Sept. 21 under "Streets and Roads."

O., Columbus—Franklin Co. vitr. sewer in Sewer Dist. Clinton 2, Contr. 13, from Gangl Constr. Co., 737 2nd Natl. Bldg., Akron, $55,929, H. E. Miller Constr. Co., 147 South Sandusky St., $62,899, Grant-Boulton Co., 8 East Town St., $69,463; Sewer Dist. Clinton 2, Contr. 12, from C. F. Smith & Son, 54 Davies St., Dayton, $12,163, D. A. Sant, Cincinnati (street address not available), $12,286, W. E. Neilson, 1616 Summit St. $12,350; vitr. or concrete sewer in Sewer Dist. Marion 1, from W. Neilson, 1616 Summit St., $18,729; D. A. Sant, Cincinnati (street address not available), $20,406, I. O. Jones, 707 Grove St., $22,813. Noted Sept. 14.

Mich., Detroit—Constructing Bedford Rd. Sewer, (1) Sect. 1, in Bedford Rd. from Fox Creek to 254 ft. south of Waveney, 3,129 ft. 8 ft. 9 in. and 2,371 ft. 8 ft. 6 in. cylinder, 1,642 ft. 15 in., 1,384 ft. 12 in. and 150 ft 24 in. crock, etc, (2) Sect. 2, in Bedford Rd. from 254 ft. south of Waveney to Harper Ave., 2,300 ft. 8½ ft., 2,000 ft. 7½ ft. and 1,169 ft. 5 ft. 9 in. cylinder, etc., from T. A. Gillespie Co., 50 Church St., New York City, (1) $164,990, (2) $160,000; A. Tobin, 449 West Columbia St., (1) $172,985, (2) $128,360; Walbridge Aldinger Co., 2356 Penobscot Bldg., (1) $178,161, (2) $160,206. Noted Sept. 28.

Mich., Ferndale—Opened bids sewers in Albany, Stafford, Allen, Planavon, Lewiston, Payton, Stafford and Bermuda Aves., vitr. crock, 2 ring brick, from T. D. Nolan, 22 Highland Ave., Highland Park, $58,997, Hammen & Co., 4612 Woodward Ave., Detroit, $71,343, Oakwood Constr. Co. 165 Fort Blvd., Detroit, $73,935. Noted Sept. 21.

Ill., Chicago—Bd. Local Impvts., 207 City Hall, received low bid sewers in various streets, from White Paving Co., 17 North La Salle St., $2,350,000. Noted Sept. 21.

Wis., Milwaukee—Metropolitan Sewerage Com. of Milwaukee Co. intercepting sewer from Port Washington Rd. to 32nd and Hampton Rd. in North Milwaukee, 10,590 lin.ft. 60 and 66 in. concrete sewer, 1,326 lin.ft. 24 in. terra cotta pipe sewer, from Midwest Constr. Co., 253 Walker St., $367,318, G. E. Zimmerman and H. Hohensee, 3402 Grand Ave., $385,840; G. E. Kahn, 134 Grand Ave., $394,439. Engrs. est. $409,000.

Calif., San Anselmo—Constructing sewage disposal plant, incl. sewage treatment tanks, pump house, chlorinator house, sludge beds and outfall sewer line, from Rocca & Calletti, 609 C St., San Rafael, $34,980; G. H. Chick, Napa, $42,450; H. C. Vensano, 58 Sutter St. San Francisco, $51,200.

CONTRACTS AWARDED

N. H., Manchester—E. R. Conant, surv. Dept. Highways, reinforced monolithic culvert outfall sewer, with all connections, to T. Stuart & Son Co., 222 Pearl St., Newton, Mass., $189,000. Noted Sept. 7.

O., Marion—E. A. Schultz, dir. Pub. Serv., sewage plant, to A. Bentley & Son Co., 201-31 Belmont Ave., Toledo, $435,000; sewerage system, to Kohlbarger & Hoyles, Marion, $76,316. Noted Sept. 21.

O., West Park (Cleveland P. O.)—W. Dahm, dir. Pub. Serv., 5,200 ft. 8-24 in. vitr. sewers in Munn Rd., to Randall & Cooper, Lorain, $24,661. Noted Sept. 28.

Kan., Wichita — Excavating and laying sewer pipe in Dist. 15, College Hill, 31,125 ft. 8-72 in. segmental block, to A. A. Dobson, 809 1st Natl. Bldg., Lincoln, Neb., $190,158. Noted Aug. 31.

Tex., Ft. Worth—Sewage disposal plant, Imhoff tanks, filters, etc., to McKinzie Constr. Co., 302 West Mulberry St., San Antonio. $525,090. Noted Sept. 7. Engrs. est. $600,000.

Colo., Denver — For Washington Park Storm Sewer Dist. 1, 69-78 in. and segment block, 27-66 in. brick, and 10-24 in. concrete pipe, to J. E. Young, 1267 South Race St., $334,107. Engrs. est. $481,810.

Waste Disposal

PROPOSED WORK

O., Euclid—Plans 1 story, brick, steel and concrete incinerator plant. $150,000. F. A Pease Eng Co., Marshall Bldg., Cleveland, engrs.

BIDS DESIRED

Mo., St. Louis—See "Miscellaneous."

Bridges

PROPOSED WORK

Alabama—State Hy. Dept., Montgomery, soon receives bids rein.-con. girder type bridges on Montgomery-Birmingham Highway, Shelby Co. $100,000. W. S. Keller, state highway engr.

Wis., Milwaukee—Had plans prepared and soon takes bids widening rein. con. viaduct, on Folsom Pl., from 36 ft. to 90 ft. on north side $150,000 M. C. Cutler, City Hall, engr.

Bridges (Continued)

Idaho — **Bureau Highways, Boise,** soon receives bids four 90 ft. steel bridges, between Wallace and Kellogg, Shoshone Co. D. P. Olson, dir. highways.

Calif., Bend—Tehama Co., Red Bluff, having preliminary surveys made steel bridge over Sacramento River, three 133 ft. and two 95 ft. spans, two 280 ft. concrete trestle approaches. W. F. Luning, co. surv.

BIDS DESIRED

N. Y., Jamestown—Erie R.R., 50 Church St., New York, taking bids 4 track steel girder bridge with concrete encasement, Main St., the outside tracks to be supported on concrete piers and slabs, the space between these tracks to be filled with earth to support 2 tracks between, incl. sidewalks, 3 stores west of Main St. under bridge and 2 minor concrete trestles both east and west of bridge, etc. To exceed $900,000. C. H. Splitsone, ch. engr. Noted June 1.

Ga., Rock Mart—Oct. 17, by State Hy. Dept., Atlanta, rein.-con. bridge on Cedartown-Dallas Highway, Sect. B, Federal Aid Project 218, Polk Co., 103 cu.yd. dry excav., 218.8 cu.yd. concrete, 27,282 lb. reinforcing, 53 cu.yd. chert surfacing. State to furnish all cement f.o.b. Rock Mart. W. R. Neel, state highway engr.

Mich., Crystal Falls—Oct. 17, by State Hy. Dept., Lansing, building Bridge 360,205, with 2 rein.-con. arches, 240 ft. long, 24 ft. roadway, two 6 ft. walks. F. F. Rogers, state highway comr. Noted Sept. 28.

Mich., Leoni (R. D. Grass Lake)—Oct. 12, by State Highway Dept., Lansing, Bridge 3,807,001, 118 ft., two plate girder spans, for grade separation structure over Michigan Central R.R. tracks, here. Bids are for furnishing and fabricating. Erection will be done by Michigan Central R.R., Passenger Terminal Station, Detroit. D. F. Deimling, ch. engr.

Tex., Houston—Oct. 30, at office of City Secretary, constructing Cleveland Park Bridge, 330 ft. rein.-con. O. F. Holcombe, mayor.

Tex., Laredo—Oct. 11, by W. E. Simpson, engr., 414 Natl. Bank of Commerce, San Antonio, addition to present bridge on Mexican end, 50 ft. girder span with abutment 43 ft. high, for Laredo Bridge Co. $40,000.

Colorado—Oct. 9, by State Hy. Dept., Denver, 83 ft. concrete girder bridge, 18 ft., gravel approaches, over St. Charles River about 10 mi. south of Pueblo on Rye Rd. to Walsenburg, Federal Aid Project 173, Pueblo Co., $20,786; 100 ft. steel truss bridge over Blue River beginning about 11 mi. north of Dillon and extending toward Kremmuling, Federal Aid Project 190, Summit Co., $39,045; 18 ft. concrete bridge 1 mi. west of Bergen Park in Jefferson Co., on State Highway 21, State Project 655, Jefferson Co., $2,912. L. D. Blauvelt, State Office Bldg., Denver, engr.

Colorado—See "Streets and Roads."

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, rein.-con. bridges, girder type, on Huntsville-Guntersville Rd., Madison Co., from Stanley & Singer, Lafayette, $54,618; W. C. McCoy, Lafayette, $55,077; Mitchell Bros., Oneonta, $58,194. Noted Aug. 31.

Ia., Fairfield—Jefferson Co., 73 box culverts and extensions, 40 ft. concrete deck girder, 40 ft. and 24 ft. I-beam bridges, 2,621 cu.yd. rein.-con., 174,235 lb. bars, 36,000 lb. structural steel, etc., from Lamoreaux Bros., 805 Brandeis Theatre Bldg., Omaha, Neb., $59,000; Ottumwa Supply & Constr. Co., Ottumwa, $60,286.

CONTRACTS AWARDED

Mass., Lowell—Bd. Pub. Serv., City Hall, rebuilding Lundberg St Bridge over Boston & Maine R.R., 120 ft., 45 ft. wide, to McClintic-Marshall Co., Pottstown, Pa., $45,764. Noted Sept. 28.

Del., Wilmington — New Castle Co. repairing Fennimores Bridge over Appoquinimink Creek, one 122 ft. span, to Delaware Constr. Co., Wilmington, (street address not available), $21,873. Noted Sept. 28.

S. C., Bennettsville—Bd. Comrs. Marlboro Co., 4 bridges to General Road & Drainage Constr. Co., Liberty Bank Bldg., Columbia, $23,520; 6 culverts to A. W. Obenshain, Bennettsville, $12,105. Noted Aug. 1.

Alabama—State Hy. Dept., Montgomery, 518 lin.ft. concrete bridges on Camden Greenville Rd., Wilcox Co., to Fontaine, Lamb & McLemore, Hattisburg, Miss., $42,143. Noted Sept. 7.

Ia., Le Mars—Plymouth Co. to C. L. Schoube & Co., 808 19th St., Des Moines, 1 high truss and two I beam spans, $16,660, (concrete figures $22.48 per cu.yd.; to W. F. Hentjes, Le Mars, 45 box culverts and extensions, $14,248 (concrete $15.28 per cu. yd.).

Kan., Wichita—City and Wichita Terminal R.R. Co., Exch. Bldg., repairing Kellog St. viaduct, 2 large cement guns will be used to spread concrete over surface, present pavement to be removed and layer of heavy waterproofing will be laid between concrete and brick, solid concrete panel to be poured in place of present lattice work under side rails, to A. A. Dobson Co., 809 1st Natl. Bldg., Lincoln, Neb. Engrs. est. $40,000.

Utah—State Rd. Comn., Salt Lake City, constructing concrete bridge in Ogden Canyon, Weber Co., 778 cu.yd. concrete, 79,757 lb. reinforcing, 1,630 cu.yd. earth approach and fill, to Kroft & Bundy, Col. Hudson Bldg., Ogden, $29,036. Noted Jan. 5.

Wash., Walla Walla—See "Streets and Roads."

California—State Hy. Dept., Sacramento, rein.-con. bridge and railroad abutment over Susan River, Lassen Co., to Rocca & Calletti, San Rafael, $25,225. Noted Sept. 21.

Calif., Stockton—Supervs. San Joaquin Co., 9 rein.-con. bridges on Jack Tone Rd., to L. W. Larson, Route 1, Box 85, Turlock, $15,292; 2 rein.-con. bridges on McKinley Ave., and West Lane bridge, 280 ft. concrete girder, to Davison & Nicolsen, 180 Jessie St., San Francisco, $8,343 and $16,680 respectively. Noted Aug. 24.

Railways

PROPOSED WORK

Pennsylvania—Pennsylvania R.R., Broad St. Sta., Phila., plans electrifying 4 track system from Altoona to Johnstown, also constructing power house. $10,000,000. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

Miss., Yazoo City—Honey Island D. D., Holmes and Humphreys Counties, had preliminary plans prepared for levees to protect 100,000 acres of land from Yazoo River and hill streams. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., and L. Fontaine, Yazoo City, engrs.

Ia., Nevada—Story Co. rejected bids constructing D. D. 3, in Story and Marshall Counties. Will revise plans and readvertise. W. A. Olson, Nevada, engr. Noted Sept. 14.

Kan., Kansas City—Fairfax D. D., c/o C. D. Grant, of Armour & Co., Packers State Line, plans drainage system from Jersey Creek north to city limits and from Quindaro water plants east to Missouri River, will include dike along Missouri River.

Mo., Kirksville—Brashear D.D. takes bids within 30-60 days draining 4,000 acres. $50,000. C. E. Jacoby, 527 Shukert Bldg., Kansas City, engrs.

Mo., Macon—Macon Co. Levee Dist. 1 preparing plans draining 4,000 acres. $80,000. C. A Jacoby, 527 Shukert Bldg, Kansas City, engr.

Wash., Addy—Drainage Dist. 4, Stevens Co., opens bids about Nov. 22, deepening, widening and straightening 12 mi. Colville River from Blue Creek to Arden, 271,830 cu.yd floating dredgework. $47,162. J. T. McCoy, Massachusetts Institute of Technology, Boston, engr.

Calif., Blythe—Palo Verde Joint Levee Dist., had plans prepared for following work: Shoo-fly at Raabs Bend, 17,600 ft. long, 447,950 cu.yd. earth work, opening Ehrenburg Channel, 247,220 cu.yd. earthwork, Hauser Cut-off, 195,700 cu.yd. earthwork, Cased Cut-off, 87,355 cu.yd. earthwork; river equipment incl. patrol boat, snag boat, 1 tender, 2 scows for pile drivers, 1 pile driver, hoist, etc., $40,700. Total cost $380,000. Bond election will be held to finance project. H. C. Neuffer, ch. engr. C. N. Perry and F. C. Finkle, consult. engrs.

BIDS DESIRED

Wis., Juneau—Oct. 10, by Dodge Co. F. D. B., c/o L. Keely, secy., Mayville, 7,800 ft. 10-14 in. tile drain, one concrete bulkhead, equal amount of open ditch work. $25,000. L. M. Schindler, 717 Clark St. Appleton, engr.

BIDS RECEIVED

Calif., Live Oak—Recl. Dist. 2056, 201,769 lin.ft. canals from 3 to 6 ft. wide, 5 ft. deep, constructed through soft earth with some hardpan, from Ross Constr. Co., Forum Bldg., Sacramento, $145,000. Noted Sept. 7.

Calif., Merced—Merced Irrigation Dist., constructing Fairfield Canal system, 7.4 mi. laterals and 8.4 mi. canals, (1) $1.56 cu.yd. excav. (2) $22,433 cu.yd. hardpan etc., sta. from Byrne & Yost, Sacramento, (street address not available), (1) $0.225 (2) $0.34, total $25,980; S. D. Miller, Manteca, (1) $0.19 (2) $0.40 total $24,771; Hard Bros., Ripon, (1) $0.255 (2) $0.255 total $27,120. Noted Sept. 14.

CONTRACTS AWARDED

Conn., Norwalk—C. L. Barton, mayor, dredging about 250,000 cu.yd. in Norwalk Harbor, to P. Sanford Ross, Inc., 277 Washington St., Jersey City, N. J., $0.205 per cu.yd. Noted Aug. 10.

La., New Orleans — To W. E. Gerin, 1312 Joseph St., constructing Bonnet Carre Point levee, 38,000 cu.yds. at $0.28 per cu. yd., Waterford levee 40,000 cu.yds. $0.30; to St. Charles Constr. Co., Paradis, Pennick and Ford levee, 45,000 cu.yd. at $0.2592.

O., Wooster—C. F. Schopf, secy. Joint Bd. Comrs. Wayne and Holmes Counties, Court House, draining and dredging Killbuck Creek, to Northern Constr. Co., Elkhart, Ind., $191,985. Noted Aug. 17.

Ia., Garner—Hancock Co., for D. D. 120-7 to E. L. Hatten, Britt, 68,000 cu.yd. excav. $0.17 per cu.yd.; Cement Products Co., Mason City, 57,874 lin.ft. 6-36 in. tile $16,-124; C. Hampe, Britt, tile labor $11,900. Noted Aug. 24.

Minn., St. James—Watonwan Co., Judicial Ditch 35, Sect. A, 141,000 lin.ft. 8-40 in. tile, 9,100 lin.ft. open ditch, 1 concrete double headwall, 144 lin.ft. 10-20 in. corrugated iron culvert pipe, 55 catch basins, to Plymouth Clay Products Co., Ft. Dodge, Ia. (for material) $81,700, R. C. Richardson, Anoka (for labor) $55,243; Sect. B, 17,800 lin.ft. 8-20 in. tile, 5 catchbasins, surface inlet grates, 1 standard concrete headwall, to O. M. Anderson, Windom, (labor and material) $7,997. Noted Sept. 7.

Mo., Ravenwood — F. H. Casteel, secy. Jackson Twp. D.D. at Platte Valley Bank, to M. A. De Long & Co., Des Moines, Ia., (street address not available), for main ditch, 456,000 cu.yd. at $0.0925 per cu.yd., 8 laterals, 61,700 yd. $0.0925, loose rock excav. $1.50, solid rock excav. $3. Engrs. est. $100,000. Noted Sept. 14.

Calif., Biggs—Drainage Dist. 200 of Butte Co., constructing drainage system, to G. Pollock Co., Forum Bldg., Sacramento. $57,436. Noted Aug. 17.

Streets and Roads

PROPOSED WORK

Massachusetts—State Hy. Dept., Boston, plans paving 5,700 ft. road, 18 ft., from Ware to Enfield, Hampden Co., 34,200 sq. yd. concrete. $75,000. State Bd. Pub. Wks., State House, Boston, engrs.

N. Y., Bath—Steuben Co. plans paving 4 mi. Hornell-Loon Lake Rd. $155,000. 5.25 mi. Hammondsport-Branchport Rd. $308,-209, 4.5 mi Lawrenceville Rd. $231,500. asphalt, concrete or brick. Engineer not announced.

Pa., Erie—Making plans asphalt paving 28th St. between Holland and Parade Sts. $25,000. F. G. Lynch, city engr.

Pa., Wilkes-Barre—Plans asphalt pavements on Bowman St. $30,422. A. Finch, city engr.

Pa., Williamsport—Plans $1,000,000 bond issue for construction of pavements and streets, new sewers, and additions to permanent lighting system.

Fla., Moore Haven—Glades Co. to vote on $40,000 bonds, Oct. 10, constructing 11 mi. Elderberry Rd. along Indian Canal to High-

Streets and Roads (Continued)

land Co. line; $34,000 bonds for 9 mi. road from Lakeport north along Lake Okeechobee, both marl roads, from local material. T. E. Fredericks, Moore Haven, engr.

Alabama—State Hy. Dept., Montgomery, having plans prepared grading and gravel surfacing 10.032 mi. Evergreen-Belleville Rd., Conecuh Co., 24 ft. grading, 18 ft. surfacing, $140,000; grading and surfacing with gravel or chert 19.96 mi. Marion, Centerville, Woodstock Rd. between Centerville and Woodstock, Bible Co., 24 ft. grading, 18 ft. surfacing, $150,000. W. S. Keller, state highway engr.

Alabama—State Hy. Dept., Montgomery, soon receives bids grading and surfacing with 2 in. warrenite bitulithic, 2 in. asphaltic concrete or 3 in. sheet asphalt, on concrete base, 23.09 mi. Montgomery-Birmingham Highway, Shelby Co. $1,000,000. W. S. Keller, state highway engr.

Tennessee—State Hy. Dept., Nashville, takes bids about Oct. 10, grading, bridging and surfacing, with hand placed base course 10.02 mi. road in Cocke Co. from point near Newport to North Carolina State Line, 16 ft., Federal Aid Project 23. $350,000. D. Q. McComb, Nashville, ch. engr.

Tennessee—State Hy. Dept. Nashville, soon receives bids grading, surfacing, etc., 6 mi. road from Avondale to Gallatin, 18 ft. Sect. A, Federal Aid Project 63, hand placed base course, probably rock asphalt surface. $150,000. D. Q. McComb, ch. engr.

Tenn., Knoxville — Knox Co. making plans grading and hard surfacing 14 mi. road from city limits to Grainger Co. line, 30 ft. $400,000. J. C. Thomas, Knoxville, engr.

Tenn., Knoxville—Knox Co. plans grading and hard surfacing 8 mi. road from city limits to Anderson Co. line, 30 ft. $225,000. J. C. Thomas, Knoxville, engr.

O., Cuyahoga Falls—Plans election to vote on $75,000 bonds improving and paving streets.

Ind., Noblesville—Comrs. Hamilton Co. rejected bids opened Sept. 16, gravel surfacing 3 mi. Henry Brehm Rd., 18 ft. $26,000. Noted Sept. 14.

Ill., Rockford—Winnebago Co. making plans grading and concrete paving 8 mi. road, 18 ft. A. R. Carter, co. supt. highways.

Ia., Des Moines—Soon receives bids curbing and paving South West 9th St., sheet asphalt, asphaltic concrete, bitulithic, No. 1 vitr. brick or portland cement. O. E. McGlothen, clk.

Ia., Marion—Linn Co. plans paving 1 mi. Lincoln Highway through Lisbon, rein.-con., asphaltic concrete, vibrolithic or brick. $30,000. H. R. Green, Cedar Rapids Savings Bank Bldg., Cedar Rapids, engr.

Ia., Williamsburg — Soon receives bids paving 30 blocks, cement, asphaltic concrete, vibrolithic and brick block. Currie Eng. Co., Webster City, engrs.

Minn., Benson—Plans paving 9 blocks, various types to be considered. $30,000. O. H. Strand, clk. Engineer not announced.

Minn., Minneapolis—Hennepin Co. plans concrete paving 5.5 mi. 6th Ave. N., from city limits to Schiebs corner, $160,000; 4 mi. 19th Ave. N., beyond city limits, $125,000. Both 20 ft. E. E. Terrell, surv.

Minn., Red Lake Falls—Red Lake Co. plans relocating 6.5 mi. Minnesota Trunk Highway 32, between Red Lake Falls and St. Hillaire, 24 ft., work includes grading and culverts. $90,000. H. E. Palmer, co. engr.

Minn., St. Paul—Plans paving Lincoln Ave. from Milton St. to Chicago, Milwaukee & St. Paul R.R. tracks, Goodrich and Fairmount Aves. from Milton St. to Lexington Ave., Milton, Chatsworth and Oxford Sts. from Summit to Osceola Aves., total length 26 blocks. $100,000. O. Claussen, city engr.

Tex., Alvarado—See "Waterworks."

Tex., Beaumont—Jefferson Co. making plans grading and concreting surfacing 7.4 mi. State Highway 40, 16 ft., 25,000 cu.yd. earth excav., 70,464 sq.yd. concrete pavement, 347 cu.yd. concrete in drainage structures. $250,000. A. C. Love, co. engr.

Tex., Corsicana—Navarro Co. making plans grading 7.71 mi. State Highway 31, through Rd. Dist. 14, 16 ft., incl., crushing 16,007 cu.yd. stone, hauling and placing same, hauling 213,000 cu.yd. additional ½ mi. $80,000. McClinton & Purnell, engrs.

Tex., Freeport—Attorney Generals Dept., Austin, approved $25,500 bond issue for street improvements. Address Mayor.

Tex., Palo Pinto—Palo Pinto Co. making plans grading and crushed rock surfacing 6 mi. Bankhead Highway from Metcalf Gap to ½ mi. east of Eagle Creek, 18 ft., 850 cu.yd. concrete, 21,120 cu.yd. crushed stone surfacing, 75,000 lb. reinforcing, $191,570. G. W. Courter, co. engr.

Tex., Paris—Lamar Co. making plans surfacing with 6 in. concrete pavement 2.88 mi. State Highway 5 west of here, 16 ft., 27,111 sq.yd. concrete, 69,404 lb. wire mesh reinforcing, $76,835; 1.65 mi. State Highway 5 east of here, 16 ft., 15,488 sq.yd. concrete, $41,058. W. M. Fooshee, co. engr.

Tex., Pearsall—Frio Co. making plans grading and gravel surfacing 17.2 mi. Meridian Highway from here north to Medina Co. line, 18 ft., 102,736 cu.yd. roadway and 3,700 cu.yd. rock excav., 180,558 sq.yd. 1½ in. bituminous macadam topping, 1,480 cu.yd. concrete, 76,470 lb. reinforcing, $283,279; 17.81 mi. Meridian Highway between here and La Salle Co. line, 18 ft., 96,060 cu.yd. roadway, 1,188 cu.yd. concrete, 183,494 sq.yd. 1½ in. bituminous macadam topping, 5,000 sq.yd. concrete pavement, 74,192 lb. reinforcing, $316,415. J. D. Metcalfe, co. engr.

Tex., Pittsburg—Camp Co. making plans grading and surfacing with macadam base and bituminous topping 12.06 mi. Jefferson Highway, State Highway 11, 18 ft., 81,000 cu.yd. roadway and borrow excav., 69,273 sq.yd. bituminous macadam, 1,200 cu.yd. concrete, 15,877 cu.yd. crushed rock, 80,000 lb. reinforcing. $135,525. C. C. Chappell, co. engr.

Tex., Sinton—San Patricio Co. making plans surfacing with bituminous topping 17.94 mi. San Antonio-Corpus Christi Rd. from Nueces Co. line to Rd. Dist. 5, 16 ft., 168,346 sq.yd. 1½ in. bituminous macadam, 2,706 cu.yd. limestone screens. A. C. Pancoast, Beeville, co. engr.

Wash., Seattle—Rejected bids opened Sept. 15 paving Taylor Ave., et al., also changing street car tracks. Engrs. est. $37,295. Noted Sept. 28.

California—State Hy. Comn., Sacramento, plans grading and gravel surfacing 11.9 mi. highway from Willows to 3 mi. south of Glenn, Glenn Co. $95,000. A. B. Fletcher, state highway engr.

California—State Hy. Comn., Sacramento, plans grading 4.3 mi. highway 3½ mi. southeast from Hueneme Rd. and Big Sycamore Creek, Ventura Co. A. B. Fletcher, state highway engr.

Calif., Bakersfield—Had plans prepared improving Oak St., 172,800 sq.ft. grading, 129,600 sq.ft. 1½ in. warrenite bitulithic on 4 in. asphaltic concrete, 14,400 lin.ft. headers. W. D. Clark, city engr. Noted Sept. 14.

Calif., Oakland—Had plans prepared improving portion of 101st Ave., 67,591 sq.ft. grading, 425 lin.ft. concrete curb, 2,261 sq. ft. concrete gutter, 61,071 sq.ft. oil macadam pavement, 2,130 sq.ft. cement walks; portion of Stanley Ave., 60,770 sq.ft. grading, 1,649 lin.ft. concrete curb, 3,366 sq.ft. concrete gutter, 47,685 sq.ft. oil macadam. W. W. Harmon, city engr.

Calif., Red Bluff—Tehama Co. having preliminary surveys made constructing 4 mi. road from Bend Colony via Paynes Creek to connect with Susanville-Red Bluff Highway. $70,000. W. F. Luning, co. surv.

Calif., Rio Vista—Rejected bids improving various streets in Dists. 1, 2 and 3. To exceed $25,000. Will readvertise. C. E. Sloan Santa Fe Bldg., San Francisco, engr. Noted Sept. 14.

Calif., Sacramento—Making plans improving 1st St. between 33rd and Santa Ynez Sts., 35th St. between H and J Sts., and alley between I, J, 35th and Santa Ynez Sts., 2,278 ft. concrete curb and guttetr, 452 lin.ft. 10 in., 745 lin.ft. 8 in. and 1,005 lin.ft. 6 in. vitr. pipe sewer, 1,127 cu.yd. excav., 4,766 sq.ft. hydraulic and 39,153 sq.ft. asphaltic concrete pavement, 9,900 sq.ft. concrete sidewalk, etc. A. Givan, city engr.

Ont., Niagara Falls—Plans 1½ in. asphalt pavements on Delaware Ave., 27 ft., $10,973, Victoria Ave., 25 ft., $25,325. T. S. Scott, city engr.

BIDS DESIRED

New York—Oct. 24, by H. S. Sisson, comr. State Hy. Dept., Albany, improving highways in Hamilton, Orange, Saratoga and Suffolk Counties; reconstructing highways in Broome, Chemung, Clinton, Otsego, Steuben, Suffolk and Westchester Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Lawrence—Oct. 13, repaving, etc., portion of Central Ave., asphalt blocks, sheet asphalt or warrenite. Tribus & Massa, 15 Park Row, New York, engrs., adv. this issue.

N. Y., Long Island City—Oct. 11, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading sidewalk space and laying sidewalks where necessary on northerly side of Atlantic Ave. from 89th St. to point approximately 100 ft. easterly thereof, easterly side of 86th St. between points 100 ft. and 200 ft. more or less, northerly from Atlantic Ave., 4th Ward; grading portion of Beach Channel Dr. and inshore and outshore areas, etc.

N. Y., New York—Oct. 10, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving 24th St. from Bway to 6th Ave., wood block; grading, curbing, flagging, etc., West 157th St. between St. Nicholas and Edgecomb Aves.; curbing, recurbing, flagging, etc., West 163rd and Isham Sts., permanent sheet asphalt; sidewalks at ends of park strips on Park Ave. between 56th and 59th Sts.

N. Y., New York—Oct. 31, by C. L. Cadle, supt. Pub. Wks., Albany, paving portion of terminal site at Hallets Cove, here. Terminal Contr. 91; adv. this issue.

N. Y., Sag Harbor—Oct. 10, by Village Trustees, Municipal Bldg., curbing, rein.-con. paving and storm water sewer. H. F. Bishop, Westhampton Beach, construction engr.; adv. this issue.

N. Y., Syracuse—Oct. 16, y Bd. Contr. & Supply, paving and resurfacing, etc., various streets. F. E. Barry, secy.; adv. this issue.

N. J., Bradley Beach—Oct. 10, by Bd. Boro Comrs., Boro Hall, grading, graveling, paving, etc., Ocean Ave. N. Rogers, boro engr.; adv. this issue.

N. J., Perth Amboy—Oct. 16, by Bd. Aldermen constructing extension to Route 4, Sect. 19, Amboy Ave., sheet asphalt, on reinforced portland cement concrete. M. F. Larson, city engr.; adv. this issue.

Pa., Phila.—Oct. 10, grading, curbing, etc., various streets, $75,000; asphalt paving various streets, $250,000; paving and reshaping Lancaster Ave., asphalt and granite block, $55,000. F. C. Dunlap, City Hall, engr.

W. Va., West Union—Oct. 14, by Doddridge Co., grading 1 mi. Rock Run Rd., 18 ft. $25,000. H. Hutson, clk.

Louisiana—Oct. 17, by State Hy. Comn., Baton Rouge, grading and gravel surfacing Federal Aid Project 125, Tallulah-Delta Highway, Madison Parish, Sect. A 11.35 mi., Sect. B 7.1 mi.; paving with warrenite bitulithic, 2 in. Kentucky rock asphalt, ½ in. cold, or Uvalde rock asphalt, 1½ in. cold, on broken stone base, 2 mi. Federal Aid Project 114, Monroe-Ruston Highway, Sect. A, Ouachita Parish; grading and gravel surfacing 16.17 mi. Federal Aid Project 114, Monroe-Ruston Highway, Sect. B, Ouachita Parish. J. M. Fourmy, state highway engr.

Tenn., Manchester—Oct. 10, by Coffee Co. Hy. Comn., grading and surfacing 7.42 mi. various roads, 27,000 yd. excav., 69,000 yd. base and surface macadam. $70,000. N. H. Meriwether, co. engr.

Ohio—Oct. 13, by Dept. Highways and Pub. Wks., Columbus, widening old road and resurfacing 4.27 mi. Sect. "A" Elyria-Lorain Rd., Lorain Co., sheet asphalt $137,801, bituminous concrete and sheet asphalt, $107,690.

O., North Olmsted—Oct. 14, grading and laying sidewalks on Lorain and Clague Rds., 9,400 cu.yd. grading, 159,592 sq.ft. 2½ in. stone flagging, 6,336 sq.ft. 4 in. stone flagging or 125,000 sq.ft. 4 in. concrete sidewalks. $60,000. Lander Eng. Co., Blackstone Bldg., Cleveland, engrs.

Ind., Hammond—Oct. 9, by Comrs. Lake Co., gravel surfacing 39,000 ft. C. Oliver Holmes Rd., 16 ft. $74,500. R. Seely, Hammond, engr.

Ind., Princeton—Oct. 12, by Auditor Gibson Co., crushed stone surfacing 16,161 ft. Kolb Rd., $34,500; 13,200 ft. Townsley Rd., $26,000; 13,200 ft. Englehart Rd., $25,500, 2.5 mi. Lemme Rd., $26,000. 36,187 ft. Graper Rd., $57,000; grading and

Streets and Roads (Continued)

graveling 20,086 ft. Barrett Rd., $35,000; paving 5,858 Montgomery Rd., 10,414 sq. yd. concrete, $25,500. All 16 ft. wide. H. C. Morrison, Princeton, engr.

Minn., Crookston — Oct. 19, by H. J. Welte, aud. Polk Co., 14 mi. State Project 6-06, Federal Aid Project 293, between Crookston and Euclid, 190,270 cu.yd. excav., portable and monolithic culverts, 3 bridges, $50,000; 18.6 mi. State Project 8-06, Federal Aid Project 278, between Erskine and Lengby, 296,000 cu.yd. excav., portable and monolithic culverts, one 20 ft. concrete span and one 23 ft. concrete deck girder span bridge, $80,000; 9 mi. State Project 30-01, Federal Aid Project 271, between Winger and Erskine, 94,000 cu.yd. excav., portable and monolithic culverts, $22,000. All 24 ft. wide. State Hy. Dept., 1246 University Ave., St. Paul, engrs.

Missouri—Oct. 12, by State Hy. Dept. at div. office Kenneth, 6.586 mi. road from Kenneth to Paragould, 24 ft., Federal Aid Project 199, Dunklin Co. B. H. Piepmeier, Jefferson City, state highway engr. Noted Sept. 28.

Missouri—Oct. 13, by State Hy. Dept. at div. office Caruthersville, 3.08 mi. road from Hayti northwardly, 24 ft., Federal Aid Project 173-A, Pemiscot Co. B. H. Piepmeier, Jefferson City, state highway engr. Noted Sept. 28.

Mo., St. Louis—Oct. 24, by Bd. Pub. Serv., 208 City Hall, improving 5,400 ft. Watson Rd. from Southwest to Pernod Sts., consisting of heavy earth removal and constructing two 16 ft. concrete roadways with park spaces in center, 53,000 cu.yd. earth excav. and 25,500 sq.yd. concrete. $122,000. W. W. Horner, 300 City Hall, engr.

Tex., Ballinger—Oct. 17, by City Comn. paving various streets, 33,282 sq.yd. vitr. brick or 2 in. hot Uvalde rock asphalt, 2 in. bitulithic, 2 in. bituminous concrete on 5 in. concrete or 7 in. rein.-con. pavement, 6,152 lin.ft. curb and gutter, 1,366 lin.ft. concrete curbing 3,471 lin.ft. gutter, 5,069 cu.yd. earth excav., 9,596 cu.yd. crushed stone base for brick pavement, etc. $100,000. J. E. Pirie, city engr.

Tex., Houston—Oct. 16, at office of City Secretary paving Polk Ave. from Hutchins to Dumble Sts., Milam St. from Preston to Polk Aves., Hawthorne Ave. from Audubon Pl. to Roseland St., LaBranch St. from Texas to Holman Aves., Hopkins St. from Pacific to Avondale Aves., Brazos St. from Calhoun to Webster Aves., Walker Ave. from Crawford to Hutchins Sts., Richmond Ave. from Graustark Ave. to Mandell St., Yoakum Blvd. from Richmond Ave. to Westheimer Rd., Chenevert St. from McGowen to Elgin Aves., Clark St. from Lorraine St. to Liberty Rd., Kenwood Ave. from Nontrose Blvd. to Mt. Vernon Ave. J. C. McVea, city engr.

Tex., Johnson City—Oct. 17, by W. C. Martiny, judge Blanco Co., grading and gravel and adobe surfacing 8.25 mi. State Highway 20-A, 18 ft., 11,497 cu.yd. roadway, 14,721 cu.yd. borrow, 392 cu.yd. concrete, 8,557 cu.yd. gravel, 6,718 cu.yd. adobe, 32,337 lb. reinforcing, $32,000; 5.99 mi. Austin-Fredericksburg Highway 20-A, 18 ft., 32,846 cu.yd. roadway excav., 24,450 cu.yd. borrow, 622.3 cu.yd. concrete, 99,855 lb. reinforcing, 3,557 cu.yd. adobe and 6,758.6 cu.yd. gravel surfacing, $59,000. M. W. Schofield, co. engr.

Tex., Palo Pinto—Oct. 13, by E. L. Pitts, judge Palo Pinto Co., grading and surfacing with crushed stone base and 1 in. bituminous topping 3.99 mi. Bankhead Highway (State Highway 1) 18 ft., 21,153 cu.yd. roadway, 42,145 cu.yd. borrow, 1,720 cu.yd. rock excav., 643 cu.yd. concrete, 14,060 cu.yd. crushed stone base, 56,537 lb. reinforcing. $123,774. G. W. Courter, co. engr.

Tex., San Benito—Oct. 11, at office of C. Greenslade, city clk., paving 36,000 sq.yd. various streets with 2 course cement concrete with steel reinforcement, warrenite bitulithic on 6 in. cement concrete, warrenite bitulithic on bituminous concrete, rock asphalt on 6 in. cement concrete, 8 in. gravel base with bituminous topping. Either of these types of pavement may be selected for any of streets or parts thereof except for approximately 9,300 sq.yd. on Sam Houston Blvd. on which gravel base with bituminous topping will not be laid. W. E. Anderson, San Benito, engr.

Tex., Verono—Oct. 14, by E. L. McHugh, judge Wilbarger Co., grading and rein.-con. paving 2.24 mi. State Highway 5 west from Oklaunion, 18 ft., 141.5 cu.yd. concrete and 13,739 lb. reinforcing steel in drainage structures, 24,176 sq.yd. concrete pavement, 72,938 lb. reinforcing, $88,625; 5.69 mi. State Highway 5 east and west of here, 18 ft., 65 cu.yd. concrete, 2,400 lin.ft. concrete curbing, 6,732 cu.yd. roadway, 4,204 cu.yd. borrow, 49,056 sq.yd. concrete pavement, 2,491 cu.yd. gravel, $176,755; 3.62 mi. State Highway 5 from 3 mi. east of Tolbert to Pease River, 18 ft. 189 cu.yd. concrete and $15,433 lb. reinforcing steel in drainage structures, 38,255 sq.yd. concrete pavement, 32,909 cu.yd. excav; 116,860 lb. reinforcing, $141,937. J. B. Nabors, co. engr.

Colorado—Oct. 9, by State Hy. Dept., Denver, gravel surfacing 5.375 mi. road beginning 1 mi. northwest of Holly and extending easterly over Sante Fe Trail to Colorado-Kansas State Line, 18 ft., Federal Aid 216-B, Prowers Co., 126 cu.yd. concrete, 9,000 cu.yd. earth excav., 21,300 cu.yd. borrow fill, 4,000 sta.yd. overhaul, 56,650 sq.yd. gravel surfacing, 3,500 lb. reinforcing, bridge over Wild Horse Creek, sta. 884, includes 466 cu.yd. concrete, 68,800 lb. structural and 15,800 lb. reinforcing steel, etc. $58,900. L. D. Blauvelt, State Office Bldg., Denver, engr.

Colo., Denver—Oct. 10, by Dept. Impvts. and Parks, paving 12 blocks Alley Paving Dist. 86, 16 ft., incl., 13,100 sq.yd. concrete. $27,409. A. K. Vickery, City Hall, engr.

Calif., Fresno — Oct. 13, by Supervs. Fresno Co., improving 2.14 mi. Mountain Rd. in canyon of San Joaquin River, 22,400 cu.yd. excav., 17 cu.yd. cement and 230 cu.yd. dry rubble masonry, 856 lin.ft. 8-24 in. corrugated metal pipe. C. P. Jensen, Cory Bldg., engr.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, opened bids Sept. 27, constructing Route 14, Sect. 7 Petersburg-Greenfield, Cape May Co., 56,606 cu.yd. borrow, 22,926 sq.yd. compacted gravel surface, from Ross & Whelan, Broad St. Bank, Trenton, 61.8% of engineers est. ($137,859), C. P. Kavanaugh, West 239th St., Bayonne, 72%, Empire Constr. Co., Empire Bldg., Phila., 72.7%; removing present wood block pavement on Passaic River Bridge, Route 1, Passaic Co., and replacing same with rein.-con. base and wood black pavement, etc., engrs. est $34,000, from J. W. Edwards, 1 Exch. Pl., Jersey City, $34,000, Linde & Griffith, 4th Ave., Newark, $36,123, L. J. Sieling, Broad St., Red Bank, $38,700. Noted Sept. 14.

Pa., Phila.—Opened bids Sept. 28 (1) grading Beechwood St. from 65th to Stenton Aves., Walnut Lane from 73rd Ave. to Cheltenhan Aves., (2) grading and paving Cayuga St. from I to L Sts., asphalt paving (3) Nedro Ave. from York Rd. to Ognotz Ave., Buist Ave. from 69th to 70th Sts., Beechwood St. from Snyder Ave. to Jackson St., (4) Broad St. from Haines St. to 70th Ave., (5) Lebanon Ave. from 66th to 68th Sts., (6) Hope St. from Indiana Ave. to Clearfield St., Ludlow St. from 62nd St. to Cobbs Creek Parkway, Matthews St. from Wister to Woodlawn Sts., Stocker St. from 17th to 18th Sts., 65th St. from Haverford to Media Aves., (7) Front St. from Erie to Hunting Park Aves., (8) Allengrove St. from Castor St. to Roosevelt Blvd., (9) Lebanon Ave. from Bryn Mawr Ave. to 53rd St., from Frank Mark Constr. Co., 2204 North 22nd St., (1) $26,562, (2) $64,793; T. L. Flannigan, 1204 East Montgomery Ave., (1) $27,597, (2) $67,173; T. Nolen & Sons, Phila., (street address not available), (1) $32,174; J. O'Rourke, 5108 Wyalusing St., (2) $67,953; Eastern Paving Co., Colonial Trust Bldg., (3) $33,277, (4) $25,953, (5) $25,914, (6) $26,706, (7) $55,536, (8) $25,363; Barber Asphalt Paving Co., Land Title Bldg., (3) $33,176, (4) $25,973, (5) $27,612, (6) $26,953, (7) $58,657, (8) $24,903; Union Paving Co., 22 East Locust St., (3) $32,678, (4) $25,043, (5) $27,563; Fish-Rutherford Co., Real Estate Trust Bldg., (9) $26,633; United Paving Co., Colonial Trust Bldg., (9) $25,178. Noted Sept. 21.

PAVING—SACRAMENTO, CALIF.

Bids were opened Aug. 31, by City Council, for paving, curbing, guttering and laying sewers in (1) Riverside Blvd., from (A) Clark & Henery Constr. Co., Ochsner Bldg., (awarded contract); (B) A. Teichert & Sons, Ochsner Bldg.; (C) McGillivray Constr. Co., Capitol Natl. Bank Bldg.; (2) in Casita sub-division, (A) McGillivray Constr. Co., (awarded contract); (B) A. Teichert & Sons; (C) Clark & Henery Constr. Co. The unit bids were as follows:

(1)	A	B	C
15,662 ft. concrete curb and gutter	$1.82	$1.84	$1.80
220 ft. concrete curb	.49	.50	.50
963 ft. curb wall	2.25	2.60	2.00
60 C. I. gutter drains	8.25	9.00	8.50
23 concrete manholes, complete	72.00	77.00	85.00
1,960 ft. 6 in. vitrified pipe sewer	1.25	1.25	1.20
1,575 ft. 8 in. vitrified pipe sewer	1.55	1.50	1.50
680 ft. 10 in. vitrified pipe sewer	2.15	2.27	2.50
385 ft. 12 in. vitrified pipe sewer	2.35	2.40	3.00
315 ft. 14 in. vitrified pipe sewer	3.00	2.95	3.84
315 ft. 18 in. vitrified pipe sewer	3.75	3.80	4.80
405 ft. 20 in. vitrified pipe sewer	3.85	4.00	4.84
666 ft. 22 in. vitrified pipe sewer	4.55	4.80	5.25
318,476 ft. 2½ in. asphaltic concrete	2.19	.224	.22
8,830 ft. 6 in. asphaltic concrete	.235	.245	.239

(2)	A	B	C
6,717 ft. concrete curb and gutter	$1.80	$1.84	$1.82
895 ft. 6 in. vitrified pipe	1.14	2.16	1.12
3,743 ft. 8 in. vitrified pipe	1.23	1.25	1.25
470 ft. 10 in. vitrified pipe	1.50	1.60	1.55
43 lin. ft. curb alone	.50	.55	.49
16 manholes	62.00	64.50	63.00
145 Y's on 8 in. pipe	1.60	1.67	.57
22 Y's on 10 in. pipe	1.30	1.78	1.85
2 Y's on 6 in. pipe	1.30	1.34	1.25
28 gutter drains	8.30	9.00	8.25
300 ft. curb-gutter (removed)	.03	.01	.02
13,569 sq.yds. grading	.25	.30	.28
330 ft. paving (removed)	.02	.035	.04
664 ft. sidewalks (removed)	.01	.005	.005
40,784 ft. sidewalk constructed	.21	.22	.209
55,812 ft. 5½ in. asphaltic concrete pavement	.217	.22	.283
66,297 ft. 5 in. asphaltic concrete pavement	.202	.21	.201

Maryland—State Roads Comn., Baltimore, opened bids Sept. 19, grading, curbing and surfacing 0.42 mi. Washington Blvd., 36 ft., 7,800 sq.yd. 1½ x 1½ sheet asphalt, 200 lin.ft. asphaltic concrete curbing, 1,550 cu.yd. earth excav., 5,000 sq.yd. 6 in. and 4,200 sq.yd. 3 in. concrete base, from Baltimore Asphalt Block and Tile Co., 1320 North Monroe St., Baltimore, $33,950; P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R., Baltimore, $34,228; Amer. Paving and Contg. Co., Montebello Ave., Baltimore, $34,435.

Maryland—State Rds. Comn., Baltimore, opened bids Sept. 19, grading and surfacing 1.3 mi. road, 15 ft., from Rhodesdale to Vienna, Dorchester Co., Contr. D-28, 13,700 sq.yd. concrete, 3,200 cu.yd. earth excav., from Holt Constr. Co., Federalsburg, $34,934, Roberts Williams Constr. Co., Clara, $37,381, S. T. J. Smith & Co., East New Market, $37,703; 3.55 mi., 15 ft., Upper Harlboro toward Rosaryville, Prince George Co., Contr. P-39, 32,500 sq.yd. concrete, 2,000 lin.ft. plain concrete gutter, 34,000 cu. yd. earth excav., from G. B. Mullin & Co., 1296 Upshur St., N. W., Wash., D. C., $121,348, D. Schoentag, Saugerties, N. Y., $132,261, Christhilf & Ensey, Munsey Bldg., Baltimore, $134,065; 4.27 mi., 15 ft., from Benfield to Priest Bridge, in Benfield, Anne Arundel Co., Contr. AA-27, 37,800 sq.yd. concrete, 34,600 cu.yd. excav., from Christhilf & Ensey, Munsey Bldg., Baltimore, $134,786, D. Schoentag, Inc., Saugerties, N. Y., $136,132, P. F. Reddington, 2 East Lexington St., Baltimore, $138,525; 2.05 mi., 15 ft., from Westminster to Warfieldsburg, Carroll Co., Contr. C1-31, 19,100 sq.yd. concrete, 22,500 cu.yd. borrow spoil, 19,600 cu. yd. earth excav., from Thomas, Bennett & Hunter, Westminster, $84,098, Continental Contg Co., Knickerbocker Bldg., Baltimore, $96,368; 1 mi. near Leonardtown to Compton, St. Marys Co., Contr. SM-21, 8,900

Streets and Roads (Continued)

sq.yd. gravel surfacing, 8,400 cu.yd. earth excav., from St. Marys Constr. Co., Mechanicsville, $16,037, H. S. Swann, La Platta, $17,001. Noted Sept. 7.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing (1) 8.99 mi. Jasper Birmingham Rd. from Warrior River to Jefferson Co. line, Walker Co., grading and surfacing with 2½ in. bituminous macadam (2) 6.87 mi. Decatur-Moulton Rd., Lawrence Co., grading and surfacing with gravel and 2½ in. bituminous macadam (3) 7.648 mi. Huntsville-Guntersville Rd., Madison Co., from J. W. Gwin, Jefferson Co. Bank Bldg., Birmingham, (1) $168,851; Stanley & Singer, Lafayette, (1) $171,477, (2) $179,279 (3) $135,119; R. D. Chambers & Co., West Point, Ga., (1) $179,665; G. C. Goodrich & Co., Albany, (2) $179,286; McQuarry Bros., Albany, (2) $182,195; William Bros. Constr. Co. and M. W. London & Sons, Roanoke, Va., (3) $124,057; R. D. Goodrich, West Point, Ga., (3) $124,796. Noted Aug. 31.

Ohio—Dept. Highway and Pub. Wks., Columbus, opened bids Sept. 29, grading, bridging and paving with (a) bituminous macadam, (b) bituminous macadam tar, 1.985 mi. Sect. "K-2" Cincinnati-Chillicothe Rd., Clermont Co., from C. J. Nible, Westboro, (a) $44,801, A. C. Pickelheimer, Cincinnati (street address not available) (a) $46,664 (b) $47,968, Connel-Laub & Bracht, Dayton (street address not available) (a) $45,528; 1.22 mi. Sect. "S-1" Newark-New Lexington Rd., Perry Co., from W. F. Payne, Springfield (street address not available) (b) $33,590; concrete girder bridge on Sect. "L-2" Columbus-Portsmouth Rd., Pike Co., from Chillicothe Constr. Co., Chillicothe, $3,693, H. A. McDonald, Norwalk, $3,769. Noted Sept. 21.

O., Cincinnati—Hamilton Co. opened bids Sept. 22, paving and guttering Willey Rd. from East Miami River to Gosling Rds., 3,400 lin.ft. concrete gutter, 10,000 cu.yd. earth and 320 cu.yd. wet excav., 48,800 sq. yd. waterbound macadam, from J. Ruebel Constr. Co., 1872 Hanfield St., $30,436; H. Westerman, Blue Rock Rd., Mt. Healthy, $30,856; Neugent & Scull Co., Cleves, $34,767.

Michigan — State Hy. Dept., Lansing, grading and surfacing (1) 12.062 mi. Federal Aid Project 80, Sects. A and B, Mackinac Co., (2) 12.366 mi. Federal Aid Project 80, Sect. E, Mackinac Co., 33,827 cu.yd. excav., 130,470 cu.yd. gravel, 626.9 sta.yd. fine grading, from S. J. Groves & Sons Co., 120 Manhattan Bldg., Duluth, Minn., (1) $118,661; Regan-Baker Co., Kewadin, (1) $129,470, (2) $113,484; Pierson & Alsmede, Hersey, (1) $147,796; E. Brown, Charles, (2) $128,818. Noted Sept. 14.

Mich., Detroit—Opened bids paving with 3½ in. sheet asphalt on 8 in. concrete base, Berea or Amherst curbstone, (a) 6,000 sq. yd. Bezner Ave., (b) 6,100 sq.yd. Dickerson Ave., (c) 6,100 sq.yd. Gray Ave., (d) 6,400 sq.yd. Springle Ave., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $30,137, (b) $28,036, (c) $28,291, (d) $20,016; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (a) $32,705, (b) $30,594, (c) $30,594, (d) $32,435. Noted July 20.

Mich., Detroit—Opened bids paving (1) 1,880 sq.yd. Burlingame Ave. from Nardin to Belleterre Sts., 3 in. sheet asphalt on 8 in. concrete, 26 ft., (2) 800 sq.yd. Lawton Ave. from Carter to Gladstone Aves., 3½ in. sheet asphalt on 8 in. concrete, 26 ft., (3) 6,900 sq.yd. Savannah Ave. from Woodward to John R Sts., 3½ in. sheet asphalt on 8 in. concrete, 26 ft., (4) 700 sq.yd. Terminal Ave. from Detroit Terminal R.R., to Edlie St., 3½ in. sheet asphalt on 8 in. concrete, 26 ft., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $9,465 (2) $3,771 (3) $32,597 (4) $3,647; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $10,262 (2) $4,112 (3) $34,775 (4) $4,088; G. R. Cooke, 1260 Penobscot Bldg., (3) $31,830.

Missouri—State Hy. Dept., at div. office Kahoka, opened bids Aug. 23, 8.506 mi. road from Wayland to Keokuk, 24 ft., Federal Aid Project 171, Clark Co., (1) 22,679 cu.yd. earth excav., (2) 11,566 cu.yd. borrow, (3) 60,071 sq.yd. gravel pavement, 12 ft. wide, etc., from Henderson & Washam, Jacksonville, (1) $0.38 per cu.yd., (2) $0.36 (3) $0.72, total $60,957; Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., (1) $0.35 (2) $0.35 (3) $0.75, $62,477.

Missouri—State Hy. Dept. at div. office West Plains, opened bids Sept. 8, (1) 6.527 mi. road from Springfield to Memphis, 24 ft., Federal Aid Project 51 A, Howell Co., (a) 30,289 cu.yd. earth excav, (b) 200 cu. yd. rock excav., (c) 14,081 cu.yd. borrow, etc., (2) 8.743 mi. road from Springfield to Memphis, 24 ft. Federal Aid Project 51 C, Howell Co., (a) 50,087 cu.yd. earth excav., (b) 13,307 cu.yd. borrow, etc., from Jones & Harlin, West Plains, (1a) $0.38 per cu.yd., (1b) $2.50 (1c) $0.38, etc., total $29,074, (2a) $0.40 (2b) $0.40, total $36,386; Coopers Constr. Serv. Co., St. Louis, (street address not available), (1a) $0.37 (1b) $2 (1c) $0.35, $29,877, (2a) $0.34 (2b) $0.34, $33,518; M. E. Gillioz, Monett, (1a) $0.42 (1b) $2 (1c) $0.40, $31,827, (2a) $0.40 (2b) $0.40, 37,289.

Colorado—State Hy. Dept., Denver, concrete paving (1) 1.003 mi. road extending eastward on Union Pacific Highway from Aurora city limits, Federal Aid Project 225, Adams and Arapahoe Counties, (2) 1.519 mi. road beginning at Broomfield and extending northerly toward Lafayette, Federal Aid Project 222-B, Boulder Co.; gravel surfacing (3) 5.296 mi. road on highway between Hesperus and Mancos, 18 ft., Federal Aid Project 213-B, La Plata and Montezuma Counties, (4) 3.609 mi. road beginning 5½ mi. west of Durango and extending west toward Hesperus, 18 ft., Federal Aid Project 71 B, La Plata Co.; grading (5) 7.474 mi. road beginning at point about 6 mi. west of Saguache and extending west toward Cochetopa, 16 ft., Federal Aid Project 119B, Saguache Co., (6) 10,731 mi. road beginning 2 mi. north of Platteville and extending northeast parallel to Union Pacific R.R. tracks through La Salle toward Greeley, 16 ft., Federal Aid Project 226 C, Weld Co., from Colorado Constr. Co., 802 Railroad Bldg., Denver, (1) $31,025; Colorado Bridge & Constr. Co., Gas & Electric Bldg., Denver, (1) $31,146, (2) $58,168; J. F. Roberts Constr. Co., Tramway Bldg., Denver, (1) $32,506 (2) $61,985; Miller, Douglas & Haines, 100 South York St., Denver, (2) $56,885; Shields & Kyle, Pagosa Springs, (3) $91,194 (4) $63,376; Peterson, Shirley & Gunter, 1st Natl. Bank Bldg., Denver, (3) $94,299 (4) $62,274; Girardet & Hotchkiss Eng. & Constr. Co., Delta, (5) $44,654; W. A. Colt & Son, Las Animas, (5) $47,058; Monarch Eng. Co., Colfax and Larimer St., Denver, (5) $68,646; C. R. Conover & Bro., 305 Bank Blk., Denver, (6) $32,997; Standard Eng. & Constr. Co., 518 E & C Bldg., Denver, (6) $36,474; White & Johnson Constr. Co., Chamber Commerce Bldg., Denver, (6) $38,048. Noted Sept. 14.

California—State Hy. Dept., Sacramento, grading and paving with 6 in. concrete 7.77 mi. highway between Long Beach and Huntington Beach, 20 ft., Los Angeles and Orange Counties, from H. H. Peterson, Loma Portal, $227,394; C. H. Hudson, Marsh-Strong Bldg., Los Angeles, $227,531; J. G. Beckjord, 4416½ South Figroa St., Los Angeles, $234,320. Noted Sept. 7.

Calif., Berkeley — Improving Telegraph Ave. from south city limits to Dwight Way, (1) 221,400 sq.ft. grading (2) 9.340 ft. concrete curb and gutter (3) 202,700 sq.ft. 2 in. asphaltic concrete on 5 in. asphaltic concrete, from Oakland Paving Co., 5000 Bway., Oakland, (1) $0.065 (2) $1.85 (3) $0.31; Hutchinson Co., 1706 Bway., Oakland, (1) $0.07 (2) $1.85 (3) $0.305; Warren Constr. Co., Bacon Bldg., Oakland, (1) $0.083 (2) $1.90 (3) $0.335. Noted Aug. 31. Aug. 31.

CONTRACTS AWARDED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, paving 0.48 mi. State Project 30-C, Cattaraugus Co., rein.-con., to Amer. Pipe & Constr. Co., 112 North Broad St., Phila., $174,829; 2.75 mi. State Project 172, Oneida Co., plain concrete, to A. V. Leo Constr. Co., Thompson, Conn., $100,126; 7.73 mi. State Project 195 St. Lawrence Co., rein.-con., to H. Burgard Co., 1968 Fillmore Ave., Buffalo, $210,339; 4.23 mi. State Project 196, Fulton Co., rein.-con., to S. B. Van Wagenen Inc., Rondout, $132,782; 5.19 mi. State Project 210, Essex Co., bituminous macadam, to Lord, Coopy & Co., Morrisonville, $136,729; 3.04 mi. State Project 219, Dutchess Co., plain concrete, to Fowler & Banks, Inc., Mt. Kisco, $102,088; grading and draining 2.77 mi. State Project 188, Allegany Co., to P. H. Murray, Rochester (street address not available), $71,698; 8.35 mi. State Project 193, Allegany Co., to Sweeney & Boland, Rochester (street address not available), $246,057; graveling 1.01 mi. State Project 209, Steuben Co., to Dale Eng. Co., Mann Bldg., Utica, $22,939. Noted July 27 and Aug. 24.

New York—H. S. Sisson, comr. State Hy. Dept., Albany, improving 8.91 mi. Highway 8135, Franklin Co., to J. A. LaPorte, 8 St. Josephs Terrace, Albany, $247,832, engrs. est. $283,225: 0.99 mi. Highways 1651 and 5683, Livingston Co., to Rochester Foundation Co., Inc., Rochester (street address not available) $85,837, engrs. est. $93,022; 3.47 mi. Highway 1650, Onondaga Co., to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $105,632, engrs. est. $117,040; 1.74 mi. Highway 5686, Otsego Co., to Morreu Vrooman, Inc., Gloversville, $67,625, engrs. est. $70,463; 1.48 mi. Highway 5682, Rockland Co., and 4.08 mi. Highway 5136, Rockland Co., to C. Vanderlist Genl. Contg. Co., Inc., 24 Elizabeth St., West New Brighton, $54,727, engrs. est. $57,660 and $162,644, engrs. est. $167,572 respectively; repairing 0.54 mi. Repair Contr. 3028, Cortland Co., to Ludke Bros., 33 Hockeborn Ave., Auburn, $19,435, engrs. est. $19,613; 4.7 mi. Repair Contr. 3027, Monroe Co., to F. W. and J. J. Crouch, 84 Bronson Ave., Rochester, $131,452, engrs. est. $146,112; 2.23 mi. Repair Contr. 3023, Ontario Co., to H. C. Schroeder, 416 Mercantile Bldg., Rochester, $73,853, engrs. est. $74,723. Noted Sept. 28.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, repaving with asphalt Union and 15th Sts., etc., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $32,702 and $6,292 respectively; 16th Ave. and 95th St., to Cranford Co., 52 9th St., $14,375 and $8,951 respectively. Noted Sept. 21.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repaving inside railroad franchise area on Jackson Ave., granite block, to Sicilian Asphalt Paving Co., 41 Park Row, New York, $96,351; grading and laying sidewalks on Liberty Ave., etc., to J. J. O'Brien Jr., William St., Jamaica, $890; grading curbing and laying sidewalks on 95th St. etc., to C. Kurth, 9519 126th St., Richmond Hill, $5,010. Noted Sept. 21.

N. J., Woodbury—Gloucester Co. paving 38,402 sq.yd. Swedesboro-Woodstown Rd., concrete, to E. R. Mixner, Goshen, $127,058. Noted Sept. 7.

N. J., Woodbury—Gloucester Co. paving 15,056 sq.yd. Delaware St., sheet asphalt, to Union Paving Co., 30th and Locust Sts., Phila., $52,140. Noted Sept. 7.

Pa., Pittsburgh—Repaving East St., asphalt on concrete, to J. H. McQuade & Sons, Bakewell Bldg., $29,579; repaving Boggs and Spring Garden Aves., to Dunn & Ryan Constr. Co., Keystone Bldg., $37,133; repaving Milwaukee St., and paving Portola Ave. and Wayland Way, to Booth & Flinn Ltd., Forbes St., $31,115 and $30,013 respectively.

W. Va., Wheeling—Bd. Comrs. Ohio Co. surfacing Stone Church Rd., Triadelphia Dist., brick on slag, to Q. Vercellotti, Elm Grove. Noted July 27.

S. C., Orangeburg—Orangeburg Co. constructing Orangeburg-Bamberg Rd., to General Road & Drainage Constr. Co., Liberty Bank Bldg., Columbia, $42,129. Noted Aug. 1.

S. C. Pickens—Pickens Co. constructing 1.9 mi. and 6.9 mi. Pickens-North Carolina Rd., to Elliott & Sons, Spartanburg, $32,020 and $84,413 respectively. Noted Aug. 1.

Ga., Americus—Surfacing 7 mi. Americus Ellaville Rd., 73,920 sq.yd. bituminous macadam, to Atlantic Refining Co., Atlanta, (street address not available), $0.1089 per gal., total $20,930. Noted Aug. 3.

Ga., Blairsville—Union Co. constructing 3.73 mi. road connecting with Cleveland-Blairsville Rd., Federal Aid Project 284, to C. M. Lyle, Menlo, $58,000. State to furnish cement.

Ga., Brunswick—Glynn Co. constructing 10.08 mi. Brunswick-Darien Rd., Federal Aid Project 261, to T. P. Wright, Peachtree Bldg., Atlanta, $75,000. State to furnish gravel and cement.

Ga., Dahlonega—Lumpkin Co. constructing 6.8 mi. road connecting with Cleveland-Blairsville Rd., Federal Aid Project 285, to T. W. Ellis, Ellis Bldg., Macon, $103,000. State to furnish cement.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 12.265 mi. Camden Greenville Rd. from Ephram Branch to Pineapple, Wilcox Co., to Lawler & Humphries, Ridgeland, S. C., $151,493 Noted Sept. 7.

O., Cleveland—Paving Linn Dr. and Amesbury Ave., to Rieley Bros., The Arcade, $6,548; West Superior Ave., to Cleveland Trinidad Paving Co., The Arcade, $17,554. Work involves 1,260 cu.yd. excav., 970 sq.ft. 2 course concrete, 2,500 sq.ft. brick and 4,600 sq.yd. asphalt. Noted Sept. 21.

O., St. Clairsville—Trustees Pultney and Richland Twps., paving 3 mi. Sand Hill Rd., waterbound macadam, to F. S. Amrine, Bridgeport, $43,500.

O., Shaker Heights (Cleveland P. O.)—Paving 2 sections of South Morland Blvd. East 161st and East 163rd Sts., asphalt to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $297,982. Noted Sept. 28.

Streets and Roads (Continued)

O., West Park (Cleveland P. O.)—To Roehl Bros., West 25th St. and Lorain Ave., Cleveland, paving West Park Rd., West 120th St. from Lorain to Cloverdale Aves. and West 122nd St. from Linnet to Thrush Aves., brick, $84,584; to W. McHugh Co., c/o Pavers Exch., Society for Savings Bldg., Cleveland, West 123rd St., West 125th St. from Linnett to Thrust Aves., Lucille and Williams Aves., asphaltic concrete, $51,550, West 125th St. from Lorain to Linnet Aves., asphalt, $13,991, West 119th St. from Lorain to Linnet Aves., asphalt, $17,865; to Fischer & Williams, Lorain Rd., West 122nd and West 125th Sts., asphalt, $21,589; to Garland Bros., c/o Pavers Exch., Society for Savings Bldg., Cleveland, West 120th St. and Elisienna Ave., asphaltic concrete, $26,693; to Baldwin Bros., 4500 Euclid Ave., Cleveland, Nichols Ave. and West 139th St., rick, $61,693; to Highway Constr. Co., Elyria, West 135th, West 123rd, West 129th, West 126th, West 119th, West 125th and West 128th Sts., asphalt, $120,132. Noted Sept. 28.

Ind., Evansville — Vanderburg Co., paving 5 mi. Weinbach Ave. Rd., crushed stone, bituminous binder, to S. Hayes, 3446 Kenwood Ave., Indianapolis, $66,992. Engrs. est. $71,572.

Ind., Indianapolis — Paving 12,526 ft. Dearborn St. from Brookside to 30th Sts., 20 ft., 29,836 sq.yd. concrete on concrete, to Marion Constr. Co., 1600 South West St., $59,239. Engrs. est. $63,000.

Ind., Indianapolis—Paving 5,392 ft. River Ave., from Division to River Parkway, 24 ft., 14,376 sq.yd. concrete on concrete, 10,784 lin.ft. concrete curbing, to J. E. McNamara Constr. Co., 946 West New York St., $33,106. Engrs. est. $36,000.

Michigan — State Hy. Dept., Lansing, grading and surfacing 4.572 mi. State Trunk Line Rd. 39-3, Inola Co., 1,750 cu. yd. excav., 41,909 sq.yd. gravel, 212.5 sta. fine grading, to A. E. Chase & Son, St. Johns, $29,911. Noted Sept. 28.

Ill., Lawrenceville—Paving 21 blocks to F. R. Harshman, Sullivan. $56,000.

Ia., Albia—Paving various streets to J. Horrabin & Co., 1422 Walnut St., Des Moines, 7,018 sq.yd. rein.-con. $3.19 per sq. yd., 2,570 sq.yd. concrete $2.77, 3,200 lin.ft. concrete curb and gutter $1.10, total $37,552. Noted Aug. 31.

Ia., Pella—Repairing present pavement and resurfacing with asphalt, 36,200 sq.yd., to E. Rasmussen, 3615 Wright St., Des Moines, $1.20 per sq.yd. Noted Sept. 7.

Minnesota—State Hy. Dept., St. Paul, 15.6 mi. State Project 6-07, Federal Aid Project 291, 177,000 cu.yd. excav., to Volden Bros., Marshall, $53,000, monolithic culverts to Christianson & Co., Marshall, $25,000; 9 mi. State Project 6-08, Federal Aid Project 270, 102,365 cu.yd. excav. to D. Ryan and others, Marshall, $35,000. Noted Aug. 31.

Minnesota—State Hy. Dept., St. Paul, State Project 2-99, Benson, Swift Co., 192,682 cu.yd. excav., to Kroner & Hog, 1727 LaSalle Ave., Minneapolis, $40,339. Noted Sept. 28.

Minn., Duluth—St. Louis Co., graveling 12.07 mi. State Rd. 6 between Kinmount and Ray, to E. E. Reemer, Hibbing, $47,795.

Minn., St. Paul—Paving and repaving Robert St. N., from Central to University Aves., University Ave. W. from Robert St. to Park Ave. ,and intersection of Robert St. and University Ave., 9,116 sq.yd. sandstone blocks, 3,039 sq.yd. sheet asphalt, to Fielding & Shepley, 216 University Ave., $68,951.

Kan., El Dorado—Butler Co., brick paving 5.192 mi. Federal Aid Project 49-B, brick, to Smith, Graham Constr. Co., Augusta, $239,873. Noted Aug. 10.

Kan., Wellington—Sumner Co. paving with 7 in. concrete 9.148 mi. Meridian Rd., Federal Aid Project 35, F, G and H, 18 ft., 96,775 sq.yd. concrete, to Hyde Constr. Co., Enid, Okla., $249,670, engrs. est. $280,157; 16.728 mi. Meridian Highway, Federal Aid Project 35, J, K, L and M, 18 ft., 177,349 sq.yd concrete, to Stewart & Ritchie, Wichita, (street address not available), $484,463, engrs. est. $509,624. Noted Sept. 7.

Wyoming—State Hy. Comn., Cheyenne, (1) surfacing 6.2 mi. Lincoln Highway Lookout-Rock River, Federal Aid Project 123, Albany Co., (2) 12.2 mi. Lincoln Highway-Rock River, west, Federal Aid Project 122, Albany Co., (3) grading and placing 18 ft. bituminous wearing surface on concrete on 7 mi. Casper-Salt Creek Rd., Federal Aid Project 19, Natrona Co., (4) grading, surfacing and building culverts on 5.6 mi. Yellowstone Highway, north of Cheyenne, Federal Aid Project 134, Laramie Co., (5a) grading and earth work, (b) culvert construction and 95 ft. steel, 54 ft. steel truss and 16 ft. I-beam spans on 8.8 mi. state highway from Crowheart west, Federal Aid Project 127, Fremont Co., to Bagley Bros., Wheatland, (1) $23,240, (2) $42,120, (4) $17,416; Levy Constr. Co., Symes Bldg., Denver, Colo, (3) $492,250; Caine & Peck, Riverton, (5a) $35,652; J. F. Turpin, Wheatland, (5b) $22,652. Noted Sept. 14.

Mont., Helena—Paving 1.5 mi. Paving Dist. 130, bitulithic, to S. Birch & Sons Constr. Co., 314 Ford Bldg., Great Falls, Mont., $62,386.

Missouri—State Hy. Dept. at div. office Albany, 3.686 mi. road from King City to Stanberry, 24 ft., Federal Aid Project 54, Gentry Co., penetration macadam, to E. L. Meek & Co., Kansas City (street address not available), $82,691. Noted Sept. 21.

Tex., Mason—Mason Co. grading and gravel surfacing 14.25 mi. State Highway 9, Federal Aid Project 293, 18 ft., 1,500 cu.yd. concrete, 126,157 lb. reinforcing, 26,177 cu. yd. gravel surfacing, to F. P. Holt, Austin, (street address not available), $76,096 Engrs. est. $83,706. Noted Sept. 28.

Tex., Palo Pinto—Palo Pinto Co., grading, crushed stone surfacing and bridging 10.9 mi. State Highway 1, 18 ft., to Texas Rd. Co., 1303 Bush Bldg., Dallas, $207,483. Contract for bituminous topping to be let at later date. Engrs. est. $228,182 incl. 10% for engineering and contingencies. Noted Aug. 31.

Colo., Denver—Asphalt paving 2½ mi. Bway. Paving Dist. 6, 60 ft., incl., 62,400 sq.yd. asphalt on 5 in. concrete, to Western Paving Co., 601 First Natl. Bank Bldg., $153,705. Noted Sept. 7.

Utah, Salt Lake City—Salt Lake Co., light grading and hard surfacing 2.2 mi. 48th St. south from 9th St. east to Holladay Rd., bitulithic, to Moran Paving Co., Felt Bldg., $49,603. Noted Sept. 28.

Wash., Bellingham—Concrete paving to J. Lich & Sons, Bellingham, (street address not available), $88,528. Engrs. est. $90,528.

Wash., Seattle—Paving Alki Ave. et al., to R. G. Stevenson, 1327 North 34th St., $121,456, engrs. est. $120,216; paving 20th Ave. et al., to D. H. Traphagen, Walker Bldg., $54,560, engrs. est. $60,411. Noted Sept. 21 and 28.

Wash., Walla Walla—Grading and gravel surfacing 5.7 mil. Lowden-Gardena Rd., 9,099 cu.yd. crushed rock surfacing, 24,942 cu.yd. earth excav., 11,590 cu.yd. overhaul, also 40 ft. bridge, to Root & Joslyn, Spokane (street address not available). $40,100.

California—State Hy. Comn., Sacramento, grading 6.76 mi. highway from Cottonwood Creek to first crossing Kern River, Kern Co., to W. S. Mead, San Francisco, (street address not available), $281,157. Noted Aug. 17.

California—State Hy. Dept., Sacramento, grading 8.41 mi. highway from ¾ mi. south of northerly boundary to 1¼ mi. west of Calistoga, Napa Co., to Ross Constr. Co., Los Angeles, (street address not available), $216,507.

Calif., Sacramento—Curbing, guttering, paving and laying sewers in Casita sub-division, to McGillivray Constr. Co., Capitol Natl. Bank Bldg.; Riverside Blvd. to Clark & Henery Constr. Co., Ochsner Bldg. Unit prices will appear in this issue. Noted Aug. 17.

Calif., San Jose—Supervs. Santa Clara Co., paving Naglee Ave. and King Rd., oil macadam, to J. F. Adams, 557 Home St., $13,638 and $19,875 respectively. Noted Aug. 31.

Calif., Santa Rosa—Sonoma Co. improving Guerneville-Jenner Unit, Sects. B and C, to W. L. Proctor, 1000 Spring St., $18,381. Noted Aug. 31.

Calif., Stockton — Improving Pershing, Orange and Argonaut Sts., etc., to Clark & Henery Constr. Co., 38 South Sutter St., $140,500. Noted Sept. 21.

Calif., Stockton—Supervs. San Joaquin Co., improving Hoag Rd. east of Belotta, to C. McLaughlin, Stockton, (street address not available), $8,443; Ashley Rd., Norton Lane Rd. and Central Ave., to C. O. Holden, 433 East Locust St., Lodi, $11,778, $15,433 and $2,484 respectively. Noted Aug. 24.

MILES OF FEDERAL-AID ROADS COMPLETED IN EACH STATE, JULY 31, 1922

State	Mi.
Maine	71.4
New Hampshire	120.8
Vermont	42.7
Massachusetts	145.9
Rhode Island	32.0
Connecticut	24.3
Delaware	34.1
Maryland	171.1
Virginia	350.6
West Virginia	170.6
North Carolina	827.3
South Carolina	445.5
Georgia	819.4
New York	134.5
New Jersey	84.6
Pennsylvania	545.3
Florida	48.7
Kentucky	222.8
Tennessee	107.7
Alabama	350.9
Mississippi	365.6
Ohio	519.0
Indiana	121.3
Illinois	721.1
Michigan	278.1
Wisconsin	744.3
Minnesota	1,345.6
Iowa	677.5
Missouri	247.4
North Dakota	492.7
South Dakota	320.6
Nebraska	888.8
Kansas	261.1
Arkansas	634.6
Louisiana	424.0
Oklahoma	117.7
Texas	1,625.4
Montana	575.1
Idaho	409.5
Wyoming	453.1
Colorado	303.6
New Mexico	529.9
Arizona	201.5
Utah	92.8
Nevada	182.0
Washington	359.1
Oregon	462.5
California	305.5

MILES OF ROADS UNDER CONSTRUCTION OR COMPLETED UPON WHICH FINAL PAYMENT HAS NOT BEEN MADE

State	Mi.
Maine	121.0
New Hampshire	29.6
Vermont	34.0
Massachusetts	59.7
Rhode Island	6.6
Connecticut	49.4
New York	431.6
New Jersey	50.1
Pennsylvania	163.2
Delaware	19.0
Maryland	29.7
Virginia	201.5
West Virginia	156.0
North Carolina	126.4
South Carolina	423.5
Georgia	366.8
Florida	142.8
Kentucky	209.8
Tennessee	401.9
Alabama	395.9
Mississippi	410.8
Ohio	160.6
Indiana	168.7
Illinois	21.7
Michigan	373.0
Wisconsin	466.4
Minnesota	836.6
Iowa	1,043.5
Missouri	522.6
North Dakota	767.7
South Dakota	617.3
Nebraska	985.0
Kansas	451.6
Arkansas	355.6
Louisiana	254.8
Oklahoma	355.6
Texas	1,484.9
Montana	149.0
Idaho	57.6
Wyoming	259.7
Colorado	177.3
New Mexico	530.5
Arizona	242.4
Utah	198.3
Nevada	120.0
Washington	17.4
Oregon	29.6
California	435.8

Industrial Works

PROPOSED WORK

Mass., Millbury—Felters Co., West St., plans 1 story dyehouse, brick and timber. Private plans.

R. I., Providence—Olneyville Realty Co., Inc., 18 Plainfield St., plans 1 story garage and service station, brick and steel, Plainfield St. $40,000. Architect not announced.

N. Y., Auburn—W. J. Henry and others, 128 South St., plan large tool factory, brick and steel, York St. $100,000. Architect not announced.

Industrial Works (Continued)

N. Y., Bemus Point—J. B. White having plans prepared by Johnson & Ford, archts., Fenton Bldg., Jamestown, 2 story, fireproof, garage and auto service building. To exceed $40,000.

N. Y., Buffalo—Cleveland Cold Drawn Steel Co., Cleveland, O., has been reorganized and name changed to Buffalo Cold Drawn Steel Co., Inc., and has purchased 3½ acre site, here, for plant, 36,000 ton annually. F. R. Kew, c/o owner, at Buffalo, dir. and production mgr.

N. Y., Buffalo—W. Manard Co., 17 Newell St., plans 2 story, 50 x 100 ft. abattoir, fireproof construction. $40,000. Architect not announced.

N. Y., Forks—Live Poultry Transit Co., Bway., Cheektowaga (Buffalo P. O.), plans rebuilding fertilizer and car repair plants, destroyed by fire, here. $100,000. Architect not announced

N. Y., Jamestown — Alliance Furniture Co., 615 Allen St., plans 4 story factory addition, brick, with 20,000 sq.ft. floor space. To exceed $50,000. Architect not announced.

N. Y., Jamestown—Clark Hardware Co., 13-15 East 3rd St., plans 3 story, 46 x 90 ft. warehouse, brick. To exceed $40,000. Architect not announced.

N. Y., Jamestown—Jamestown Lounge Co., 40 Winsor St., plans 6 story, 102 x 104 ft. brick fatcory addition. Architect not announced.

N. Y., New York—Metropolitan Storage Warehouse Corp., 39 West 66th St., soon takes bids 11 story, 75 x 105 ft., brick, steel and concrete warehouse, plain foundation, Amsterdam Ave. $350,000. Private plans.

N. Y., Niagara Falls—J. S. Thompson and P. A. Porter, Marine Bank Bldg, Buffalo, plan 1,000,000 h.p. hydroelectric plant at Foster Flats, lower Niagara, here. $40,000,000.

N. Y., Sheepshead Bay (Brooklyn P. O.)—Superior Ice Co., Inc., 50 East 42nd St., New York, having plans prepared by W. Mortensen, archt. and engr., 209 West 76th St., New York, brick, steel and rein.-con. plant, Ave. Z and East 17th St., here. $250,000.

N. J., Newark—Dept. Streets & Pub. Impvts., City Hall, having plans prepared 2 story, 70 x 150 ft., brick, steel and concrete garage adition, plain foundation, Franklin Ave. $175,000. Private plans.

Pa., Brackenridge—Atlantic Bottle Co., Brackenridge, and 90 West Bway., New York, plans to rebuild factory recently destroyed by fire. $300,000. Engineer not announced.

Pa., Phila.—T. Bardaro, 57 East Vine St., soon takes bids 2 story, 32 x 90 ft. and 18 x 24 ft., brick and steel garage, plain foundation, 5611 Vine St. $50,000. F. N. Greisler, 1035 Walnut St., archt.

Pa., Phila.—C. Wunder, archt., 1415 Locust St., soon takes bids 5 story and basement, 80 x 122 ft. paper factory, rein.-con., brick and steel, plain foundation, 5th and Willows Aves., for Paper Mfg. Co., c/o F. A. O'Neil, 526 Cherry St. $200,000.

Pa., Pottstown—R. A. Reiff, 62 Hanover St., soon takes bids 2 story, 60 x 190 ft. and 60 x 125 ft. knitting mill, brick and steel, plain foundation. $75,000. J. V. Pooley, 162nd 2nd Ave., Royersford, archt.

Pa., Titusville—Titusville Iron Wks., South Franklin St., plans brick addition, South Washington Ave. Cost between $100,000 and $150,000. Architect not announced.

Ga., Savannah—Western Paper Makers Chemical Co., River Rd., Kalamazoo, Mich., plans paper mill, here. $500,000. Architect not announced.

Tenn., Kingsport—Mead Fibre Co. having plans prepared by Management Eng. & Development Co., engrs., c/o owner, large machine paper mill. $750,000.

Tenn., Knoxville—Knoxville Power & Light Co., 626 South Gay St., has increased its capital stock from $2,000,000 to $10,000,000 and will use proceeds for additions and improvements to its lines and plants.

Tenn., Parkville (Benton P. O.)—Tennessee Power Co. plans $250,000 bond issue for extensions and improvements to lines and plant. Engineer not announced.

O., Cleveland—Grabler Mfg. Co., 1401 East 40th St., having plans prepared by H. E. Shimmin, archt., 2031 Euclid Ave., 2 story, 60 x 160 ft., brick factory addition. $60,000.

O., Cleveland—Van Gastel Cleaning Co., 2420 Cedar Ave., plans 1 and 2 story and basement, brick and steel plant. $75,000. H. Van Gastel, mgr. Architect not selected.

ROAD WORK—UTAH

Bids were opened Sept. 5, by State Rd. Comn., Salt Lake City, for constructing 9.04 mi. road from Levan to Chicken Creek Dam, Juab Co., (A) Paxton, Dorrity & Black Kanash, (awarded contract); (B) Nephi Constr. Co., Nephi; (C) Raleigh & Kearney Co. The unit bids were as follows:

	A	B	C
19,300 cu.yd. common excavation	$0.30	$0.35	20 28
700 cu.yd. solid rock excavation	1.75	2.00	1 70
33,600 cu.yd. borrow excavation	.30	.35	33
120,000 sq.yd. overhaul, class A	.025	.02	03
18,900 cu.yd. gravel surfacing, loading	.30	.35	26
34,100 yd. gravel surfacing, hauling	.40	.50	48
9.04 mi. gravel surfacing, placing	650.00	595.00	900 00
800 cu.yd. structural excavation	1.00	.50	1 00
22,000 lb. reinforced steel	.02	.03	02
215 cu.yd. concrete, class A	18.00	15.00	12 50
38 cu.yd. concrete, class B	18.00	15.00	11 00
4,460 lin.ft. guard rail	.25	.40	1 00
528 lin.ft. C. M.pipe, 18 in.	.40	.80	70
152 lin.ft. C. M. pipe, 24 in.	.50	.80	85
84 lin.ft. C. M. pipe, 30 in.	.65	1.00	1 00
335 cu.yd. rip.rap	4.50	2.00	4 00
Extended totals	$54,039	$59,296	$59,382

ROAD WORK—ARIZONA

Following are lowest three bids opened Aug. 10, by State Highway Comn., Phoenix, for constructing Holbrook-St. Johns Highway, Federal Aid Project No. 42, (A) C. P. Richards, St. Joseph; (B) G. Winsor and L. Frost, St. Joseph; E. J. Whiting, J. H. Udall, A. Brown and G. Udall, St. Johns. The unit bids were as follows:

	A	B	C
3,335 cu.yd. excavation, roadway (unclassified)	$0.17	$0.25	$0.20
58,270 cu.yd. excavation, borrow, (unclassified)	.14	.15	.15
426 cu.yd. excavation, structures (unclassified)	.90	.50	.90
118 cu.yd. excavation, ditches and channel changes	.14	.20	.25
17,273 cu.yd. gravel surfacing (500 ft. free haul) in place	.42	.40	.40
2,107,306 sta.yd. surfacing, overhaul (122 stas)	.008	.008	.007
62 cu.yd. class "A" concrete	14.00	12.00	15.00
76 cu.yd. class "B" concrete	12.00	12.00	14.00
84 cu.yd. class "C" concrete	10.00	12.00	13.00
12 cu.yd. cement rubble masonry	6.00	5.00	10.00
310 cu.yd. gravel base (type B Fords)	1.50	1.25	2.00
155 cu.yd. selected gravel surfacing (type B Fords)	1.60	1.25	2.00
112 lin.ft. 24 in. C. M. pipe (haul and place)	.40	.75	.40
110 lin.ft. 30 in. C.M. pipe (haul and place)	.50	.75	.40
52 lin.ft. 36 in. C.M. pipe (haul and place)	.60	.75	.40
4,050 lb. reinforcing steel (haul, bend, place)	.025	.05	.02
Extended totals	$36,875	$37,292	$37,725

O., Columbus—Columbus Varnish Co., 264 Cozzens St., having sketches made by Jones & Abernathy, archts. and engrs., Dispatch Annex, 1 story, 100 x 300 ft., brick and steel factory. $40,000.

Ind., Clinton—Wabash Electric Co. plans extensions and improvements to lines and plant. $50,000.

Ind., Crawfordsville—City plans 1 story brick addition to light and power plant, incl. 200 ft. radial brick stack, etc. $200,000. H. C. Carroll, Terminal Bldg., Indianapolis, engr.

Ind., Evansville—General Cigar Co., 2 Upper 2nd St., having plans prepared by A. E. Neucks, archts., Peoples Bank Bldg., 4 story and basement, 75 x 150 ft. factory, brick and timber, Upper 2nd St. $75,000.

Ind., Indianapolis—Rockwood Mfg. Co., 1801 English Ave., having plans prepared by Motherhead & Fitton, archts., 540 North Meridian St., 1 story, 100 x 200 ft. and 1 story, 75 x 100 ft. machine shops, both brick and timber, English Ave. $40,000.

Ind., Richmond—Consumers Service Co. plans 1 story refinery, brick, will require 5 tanks of 100,000 gal. capacity. $200,000. Architect not selected.

Mich., Three Oaks—Warren Featherbone Co. had plans prepared by G. W. Allen, archt., Laporte, Ind., 2 story and basement, 68 x 140 ft. rein.-con. and brick factory, plain foundation. $45,000.

Wis., Clyman—Reeseville Canning Co., Reeseville, having plans prepared 3 story, brick and timber, factory and warehouse, plain foundation, here. Private plans.

Wis., Colby—Colby Buick Co., c/o H. J. Cornelius, plans 2 story and basement, 30 ft. high, 50 x 80 ft. garage, rein.-con. and brick, plain foundation. $40,000. Architect not selected.

Wis., Crandon — The Vulcan Last Co. plans 2 story, 60 x 120 ft., brick, rein.-con. and steel factory, to replace one recently destroyed by fire. Architect not selected.

Wis., Green Bay—Fairmont Creamery Co., 200 North Bway., having plans prepared by Foeller & Schober, archts., Nicolet Bldg., 1 story, 50 x 95 ft. dairy, incl. new boiler house, brick and rein.-con., plain foundation. $50,000.

Wis., Jefferson — Ft. Atkinson Canning Co. plans 2 story, 60 x 100 ft. warehouse and factory, brick and rein.-con., plain foundation. $60,000. J. Hagemann, pres. Architect not selected.

Wis., Milwaukee—Luick Ice Cream Co., 183 Ogden Ave., having preliminary plans prepared by Leenhouts & Guthrie, archts., 424 Jefferson St., 2 story and basement, 40 ft. high, 120 x 120 ft., rein.-con. and brick garage, plain foundation, Van Buren St. $75,000.

Wis., North Milwaukee—North Milwaukee Fdry. Co., Commerce Ave., plans 1 story, 50 x 150 ft., brick foundry, plain foundation, to replace one destroyed by fire. Private plans.

Wis., Racine—F. J. Greene Eng. Wks., 1028 Douglas Ave., had plans prepared by E. B. Funston Co., archts., Janes Bldg., 3 story, 45 ft. high, 53 x 100 ft., rein.-con. and brick factory, plain foundation, Douglas Ave. $60,000.

Minn., Bemidji—Minnesota Associated Lumber Co. plans lumber mill. $500,000. Architect not announced.

Minn., Minneapolis—T. R. McKenzie, 1050 Plymouth Bldg., had plans prepared by P. O. Moe, archt., 1037 Plymouth Bldg., 1 story and basement, 154 x 164 ft. garage and store building, rein.-con. and brick, 2628 Hennepin Ave. $50,000.

Mo., St. Louis—City soon takes bids 1 and 2 story, 50 x 225 ft., brick service plant for training school at Scott Farm. $150,000. W. E. Bowen, 305 City Hall, archt. and engr.

Calif., San Francisco—Crest View Apartments, Inc., c/o J. L. Stewart, archt., Claus Spreckels Bldg., having preliminary plans prepared 1 story and basement garage, rein.-con., Washington St. near Gough St.

Calif., San Francisco—Millbrae Dairy, 834 Octavia St., having plans prepared by J. Reid, Jr., archt., 1st Natl. Bank Bldg., 2 and 3 story dairy plant, steel and concrete, McAllister near Laguna St. $100,000.

Ont., Milton—Smith & Stone plan addition to factory. $40,000. Architect not announced.

Ont., Niagara Falls—Dominion Canners Ltd. c/o Chamber of Commerce, plans factory, to exceed $50,000. Architect not announced.

Ont., Paris—Penmans Ltd. having plans prepared extending factory. $50,000.

Ont., Sarnia—Mueller Mfg. Co. plans to extend plant. $100,000. H. Burleigh, mgr.

Ont., St. Thomas—Windsor Machine & Tool Co., 312 Pitt St., Windsor, plans plant here. $100,000.

BIDS DESIRED

N. Y., Buffalo—Klepfer Bros., 1029 Main St., taking bids 2 story, 235 x 570 ft. auto service and repair building, brick, Main St. To exceed $40,000. A. H. Hopkins, 447 Main St., archt.

Industrial Works (Continued)

N. Y., Brooklyn — Rubel Coal & Ice Corp., Glenmore Ave., brick, steel and concrete plant, plain foundation, Atlantic Ave. $500,000. Work will be done by separate contracts under supervision of E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave.

N. Y., New York—Oct. 10, by Dept. Water Supply, Gas & Electricity, Municipal Bldg., brick, steel and concrete garage, plain foundation, East 24th St. and Ave. A. $50,000. Private plans.

Pa., Altoona — See "Railways under Pennsylvania."

Pa., Oil City—E. M. Bowen receiving bids 3 story, 70 x 80 ft. service and repair shop, brick and steel. $45,000. W. H. Crosby, Masonic Bldg., archt. Noted Sept. 28.

Pa., Monongahela—Keystone Garage receiving bids 2 story and basement, 60 x 200 ft., brick, steel, stone and tile garage. $50,000. C. K. Downer, 248 Boylston St., Boston, archt. Noted Sept. 21.

Ind., Hammond—Hammond Dairy Co. taking bids 2 story, 55 x 70 x 153 ft. dairy, brick, 680 Oakley Ave. $100,000. A. C. Berry & Co., Ruff Bldg., archts.

Ill., Elgin—F. D. Chase, Inc., archts., 645 North Michigan Ave., Chicago, receiving bids 3 story factory, rein.-con., brick and steel, State and Schiller Sts., here, for Elgin Stove and Oven Co., 14 Chicago St. $100,000.

Ill., La Grange — Fugard & Knapp, archts., 212 East Superior St., Chicago, receiving bids 1 story, 70 x 160 ft., rein.-con., brick and steel garage, here, for Fleck & Buchholz, 19 West Railroad St., Downers Grove. $50,000.

Wis., Slinger—L. A. Burg taking bids 1 story, 60 x 90 ft. garage and repair shop, brick, rein.-con. and steel, plain foundation. $40,000. Private plans.

Calif., Petaluma—B. Jones, archt., Petaluma, receiving bids 110 x 210 ft. hollow tile packing plant, for Poultry Producers of Central California, 323 East Washington St., Petaluma, and 700 Front St., San Francisco. Noted Sept. 21.

CONTRACTS AWARDED

Mass., Malden—Wadsworth-Howland & Co., 139 Federal St., Boston, 5 story, 55 x 190 ft. warehouse, rein.-con. and brick, plain foundation, to W. Daniels Co., 161 Exchange St., Worcester. Archts. est. $150,000.

R. I., Providence—Colvin Fdry. Co., 185 Globe St., 1 story, 60 ft. high, 100 x 100 ft. foundry, brick and steel, plain foundation, Globe St., to C. I. Bigney Constr. Co., 357 Westminster St. Archts. est. $75,000.

Conn., Norwalk—E. M. Jennings Co., 27 Harrison St., Bridgeport, 1 story, 15 ft. high, 55 x 55 ft. garage and service station, brick, steel and concrete, plain foundation, West Ave., here, to A. R. Malkin & Co., 3 Mechanic St. Archts. est. $40,000.

N. Y., Batavia—P. W. Minor & Son, Inc., State St., 4 story, 43 x 140 ft. shoe factory, brick, to R. N. Reed, Batavia. Archts. est. $100,000. Noted Sept. 28.

N. Y., Brooklyn — United Last Co., 91 Worth St., New York, 3 story and basement, 80 x 131 ft. and 1 story, 16 x 30 ft. additions to plant, Classon Ave. and Clifton Pl., here, to Turner Constr. Co., 244 Madison Ave., New York, under supervision of W. Higginson, archt., 13 Park Row, New York.

N. Y., Geneva—Lisk Mfg. Co., Canandaigua, 160 x 280 ft. enamel ware plant, etc., to Curan-Mason Inc., Rochester, (street address not available). Archts. est. $1,000,000. Noted Sept. 21.

N. Y., Long Island City—Perry Candy Co., 408 West Bway., New York, brick, steel and concrete factory, plain foundation, Wilbur Ave., here, to Ettinger Contg. Co., 44 Court St., Brooklyn. Archts. est. $75,000. Noted Sept. 21.

Pa., Jeannette—Amer. Window Glass Co., Farmers Bank Bldg., Pittsburgh, 1 story, brick and steel addition to plant, here, to Heyl & Patterson, Inc., 51 Water St., Pittsburgh. Archts. est. $1,500,000. Noted Sept. 14.

Pa., Phila.—Miller North Broad Storage Co., 2715 North Broad St., 7 story and basement, 71 x 104 ft., rein.-con. and brick storage plant, plain foundation, 32nd and Baltimore Aves., to J. N. Gill Constr. Co., Otis Bldg. Archts. est. $700,000.

Md., Williamsport—Potomac Public Service Co., Hagerstown, 30,000 k.w. steam generating plant, here, to Sanderson & Porter, 52 William St., New York City, $2,000,000.

W. Va., Coalwood—Consolidation Coal Co., Watson Bldg., Fairmont, general contract 1 story, 35 x 50 ft. boiler house, steel and tile, to Rust Eng. Co., 1901 5th Ave., Pittsburgh, Pa. Archts. est. $90,000.

O., Cleveland—Cleveland Electric Illuminating Co., Illuminating Bldg., Pub. Sq., 3 story, 35 x 168 ft., rein.-con., brick and steel switchhouse, also 337 ft. rein.-con. tunnel, 7 ft. 7 in. diameter, East 70th St., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $200,000.

O., Cleveland—W. Koehl, archt., 906 Park Bldg., 2 story, 50 x 130 ft., brick, steel and concrete garage, West 30th St. and Lorain Ave., to C. E. Lewis, 11512 Gray Ave., for West Center Sales Co. Archts. est. $40,000. Noted July 20.

O., East Cleveland (Cleveland P. O.)—Windemere Transfer & Moving Co., 14136 Euclid Ave., 6 story, 50 x 120 ft., brick and concrete storage warehouse, Euclid and Doan Aves., (1st unit of 3 story), to A. A. Lane Constr. Co., 1869 East 55th St., Cleveland. Archts. est $150,000.

Wis., Milwaukee — Nash Motor Co., Clement Ave, 1 story, 22 x 950 ft., brick, steel and concrete factory, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland, O. Engrs. est. $350,000.

Wis., Racine—Jacobson Auto Co., 1820 West 6th St., 2 story, 60 x 120 ft., brick and concrete garage, plain foundation, to J. L. Sorensen, 1805 West 6th St. Engrs. est. $40,000.

Ia., Des Moines—E. W. Nothstine, 6 story and basement, 127 x 264 ft., rein.-con., brick, terra cotta and stone garage, 5th and Chestnut Sts., to W. F. Kucharo & Co., 622 Hubbell Bldg. Archts. est. $300,000.

Minn., Buhl—Hanna Ore Mining Co., 909 Fidelity Bldg., Duluth, 80 x 106 ft. machine shop, 38 x 124 ft. office and warehouse, 20 x 20 ft. oilhouse, all foregoing 2 story, and 24 x 52 ft. garage, brick, at Wabigon Mine, to Warden & Allen, 208 South LaSalle St., Chicago, $115,000.

Mont., Glendive—Northern Pacific Ry. Co., 5th and Jackson Sts., St. Paul, Minn., labor and material except cement (which owner furnishes) for 30 x 45 x 94 ft., power house and engine room, brick and concrete with overhead steel coal bunker, 2 story and basement, 22 ft. high, 50 x 153 ft., storehouse, brick and concrete, to Winston-Grant Co., 902 Exch. Bank Bldg., St. Paul, Minn.

Mo., Kansas City—White Co., 2001 Grand Ave., general contract 2 story and basement, 100 x 250 ft., garage and sales building, 29th and Walnut Sts., to Bliss Constr. Co., 510 Lathrop Bldg. Archts. est. $100,000

Calif., Sacramento — State Dept. Pub. Wks., 2 story, 160 x 160 ft. printing plant, to Davison & Nicolsen, 180 Jessie St., San Francisco, $94,800. Noted Sept. 21.

Buildings

PROPOSED WORK

Mass., Boston—Apartment—Yarchin & Fluck, c/o Silverman, Brown & Heenan, archts., 51 Cornhill, having plans prepared 5 story, 100 x 110 ft., brick and steel, Audubon Rd. $200,000-$225,000.

Mass., Roxbury (Boston P. O.)—Synagogue—Congregation Mishkan Tefila, c/o Krakyn, Browne & Rosenstein, archts., 7 State St., Boston, having plans prepared 2 story, 74 x 163 ft., limestone, Seaver St. and Elm Hill Ave. $500,000. A. A. Bloom, chn. bd. dirs.

Mass., Worcester—School—J. W. Donahue, archt., 476 Main St., Springfield, soon takes bids 3 story, 12 room, brick, for St. Casimirs Lithuanian Church. J. J. Jakaitis, pastor. $150,000. Noted July 6.

Conn., Hartford — Synagogue — Adoth Israel Congregation plans synagogue. $500,000. J. S. Holstein, 33 Irving St., pres. Architect not selected.

N. Y., Albany—Bank—President City Savings Bank, 100 State St., soon takes bids 10 story and tower, 227 ft. high, 48 x 186 ft., with two 24 x 40 ft. courts, rein.-con., brick and steel, State St. $2,500,000. M. T. Reynolds, 100 State St., archt. Noted April 20.

N. Y., Brooklyn—Clubhouse—Knights of Columbus, 244 West 51st St., New York, plans brick, steel and stone, plain foundation, Prospect Park West and Union St. $2,000,000. Architect not selected.

N. Y., Brooklyn—Hospital—Jewish Hospital, Prospect Pl., soon lets contract 5 story, 70 x 105 ft., brick, steel and stone addition, plain foundation, Prospect Pl. near Classon Ave. E. C. Blum, pres. Ballinger Co., 47 West 34th St., New York, archts. and engrs.

N. Y., Jamestown — Community — St. James Roman Catholic Church, plans 2 or 3 story, 100 x 190 ft., brick, Allen and Institute Sts. To exceed $150,000. J. Carra, pastor. Architect not announced.

N. Y., New York—Apartment—Jatison Constr. Co., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., having plans prepared 14 story, 100 x 122 ft., brick, steel and stone, plain foundation, 1050 Park Ave. $1,500,000.

N. Y., New York—Hospital—Dept. Pub. Welfare, Municipal Bldg., having plans prepared by C. B. Meyers, archt. and engr., 31 Union Sq., brick, steel and stone, plain foundation, Walton Ave. and 167th St. $2,500,000.

N. Y., New York—Office—Fain Knitting Mills, 902 Park Ave., Brooklyn, plans 12 story, brick, steel and stone, plain foundation, Bway. and 34th St., here. Architect not selected.

N. J., Camden—High School—Bd. Educ., City Hall, soon takes bids 2 story and basement, Park Blvd. and Euclid Ave. $450,000. C. Adams, 2036 Spruce St., Phila., archt.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., having preliminary plans prepared by Guilbert & Bettelle, archts. and engrs., 2 Lombardy St., brick, steel and stone addition, plain foundation, Montieth St. $200,000.

Pa., Annville—High School—Bd. Educ. plans brick high school. $150,000. Architect not announced.

Pa., Lock Haven—Lodge—Local Masonic Lodge having plans prepared by Stearns & Woodnutt, archts., St. Girard Bldg., Phila., 3 story, 60 x 160 ft. brick and steel, Main and Grove Sts. $150,000.

Pa., Phila.—Lodge—I. O. R. M., 61 East Race St., soon takes bids 3 story and basement, rein.-con., brick and steel, 61st and Race Sts. $500,000. R. C. Loos, 2218 Chestnut St., archt.

Pa., Phila. — Office — I. Stern, Lincoln Bldg., soon takes bids 8 story, rein.-con., brick and steel, 15th and Spruce Sts. $500,000. L. B. Rothschild, 1225 Sansom St., archt.

Pa., Pittston—School—Bd. Educ. plans school in 4th Ward Park. $180,000. Architect not announced.

D. C., Wash. — Apartment — Kennedy Bros., 2400 16th St., having plans prepared by Sonneman & Justeman, archts., Davidson Bldg., 3 apartment houses. Total est. $1,000,000.

Va., Williamsburg — Dormitory—College of William and Mary had plans prepared by C. M. Robinson, archt. and engr., Times-Dispatch Bldg., Richmond, 4 story, 50 ft. high, 64 x 80 ft., brick and steel. $200,000.

Tenn., Memphis—Church—A. E. Jones, V. L. Simmons, J. C. Ayres and W. E. Milliken, bldg. com. of Methodist Church, having plans prepared by H. T. McGee, archt., Madison Ave. Bldg., brick and stone, Union and Cooper Sts. $150,000.

Tenn., Morristown—School—Bd. Educ. having plans prepared by C. T. Jones, archt., Market St., Chattanooga, 3 story and basement, 150 x 200 ft., 1st South St. $150,000.

O., Cleveland — Apartments — Garden Court Realty Co., c/o G. H. Grieble, archt., 517 Sloan Bldg., had plans prepared ten 3 story and basement, 45 x 60 ft., brick and timber, plain foundations, Euclid Ave. and East 77th St. $400,000.

O., Cleveland—Bank and Office—Brotherhood of Locomotive Engrs., c/o W. S. Stone, pres., Engineers Bldg., having plans prepared by Knox & Elliot, archts., Engineers Bldg., 21 story, 94 x 144 ft., brick, steel and concrete, West 3rd St. and St. Clair Ave. $5,000,000.

O., Columbus—School—Bd. Educ., Town and High Sts., having plans prepared by H. D. Smith, archt., 50 East Town St., 2 story, 125 x 145 ft., brick and concrete, Fairwood Ave. $190,000.

O., Lakewood (Cleveland P. O.)—Commercial and Apartment—M. Buckovitz, 3368 East 116th St., Cleveland, having plans prepared by M. Altschuld, archt., 5116 Woodland Ave., Cleveland, 3 story and basement, 100 x 100 ft., brick and timber, Madison and McKinley Aves., here. $150,000.

Ind., Bloomington—Chapel—Indiana University plans 2 story and basement, stone, 3rd St. $500,000. Architect not selected.

Ind., Gary—Theatre—V. N. Young, 451 Jefferson St., plans 3 story and basement, 72 x 200 ft., brick. $150,000. Architect not selected.

Buildings (Continued)

Ind., Laporte—High School—School Bd. having plans prepared by Miller, Bullenvider & Dowling, archts., North Michigan Ave., Chicago, 2 story and basement, 160 x 175 ft., brick. $300,000.

Ind., South Bend—Apartment—R. Elbel plans 4 story and basement, 165 x 235 ft., brick, North Michigan St. $350,000. Architect not selected.

Ind., Whiting—Lodge—F. & A. M. Lodge 613 having plans prepared by C. Hatzfeld, archt., 7 South Dearborn St., Chicago, 3 story and basement, 90 x 100 ft., brick and rein.-con. $150,000.

Mich., Detroit — Mercantile — Himelhoch Bros. & Co., 1230 Woodward Ave., plan to convert 7 story and basement, 60 x 75 ft. and 75 x 100 ft. rein.-con., brick and steel office building into mercantile building. $200,000 A. Kahn, 1000 Marquette Bldg., archt.

Ill., Decatur — Temple — Masonic Assn. plans temple, steel dome, here. $500,000. S. A. Clausen, 517 Milliken Bldg., archt.

Wis., Beloit—Office—Beloit Water, Gas & Electric Co., 429 East Grand Ave., having plans prepared by Hetherinton & Krieg, archts., Goodwin Blk., 4 or 6 story, rein.-con. and brick, plain foundation. Pleasant St. $150,000.

Wis., Milwaukee—Apartment—Voelz & Siebert, archts., 373 Hway, preparing preliminary plans 3 story and basement, 50 ft. high, 78 x 100 ft., L shaped, brick and concrete, plain foundation. $150,000. Owner's name withheld.

Wis., Milwaukee—Office and Theatre—Rapp & Rapp, archt., 190 North State St., Chicago, soon take bids 6 story, 180 x 225 ft., 6th and Grand Sts., for Sixth & Grand Bldg. Corp., c/o archits. $500,000.

Ia., Cedar Rapids—Lodge—Shriners and F. W. Runkle, 10th St. near A Ave., having plans prepared and open bids in spring, 2 story and basement, 140 x 180 ft., rein.-con., brick, tile and stone, 6th St. and Q Ave. $300,000. Archt. not announced.

Ia., Sioux City—Hospital—Bd. Trustees New Samaritan Hospital, plans 3 or 4 story and basement, rein.-con., brick, tile and stone, 29th and Douglas Sts. $250,000. E. J. Stason, pres. Architect not announced.

Minn., Chisholm — High School—Bd. Educ. takes bids about Dec. 1, 3 story and basement, rein.-con., brick and tile. $750,000. German & Jensen, Exchange Bank Bldg., Duluth, archts. Noted Jan. 20, 1920.

Minn., Wadena—Hotel—Merchants Hotel had plans prepared 4 story and basement, 75 x 100 ft., rein.-con., brick and tile. $150,000. Architect not announced.

Kan., Kansas City—Memorial—City had plans prepared by Rose & Peterson, archts., 434 Brotherhood Bldg., and soon takes bids 3 story and basement, 75 x 120 ft., stone, rein.-con. and terra cotta, 7th and Barnett Sts. $500,000.

Kan., Topeka—Hotel—Topeka Hotel Co. having preliminary plans prepared by T. W. Williamson & Co., archts., 312 Central Bldg., 10 story and basement, 75 x 150 ft., brick, stone and rein.-con., containing 200 rooms. $600,000.

Kan., Winfield — College — Southwestern College, c/o H. S. Conron, 623 Beacon Bldg., Wichita, having plans prepared by H. A. Noble, archt., Reliance Bldg., Kansas City, Mo., and takes bids in October, 3 story and basement, 150 x 170 ft., stone, here. $200,000. Henrici-Lowry, Commerce Bldg., Kansas City, Mo., structural engr.

Mo., Jefferson City—Hotel—C. J. Huegel plans fireproof hotel. $500,000. Hellmuth & Hellmuth, De Menil Bldg., St. Louis, archts.

Mo., St. Louis—Club Hotel—City Club, Bd. Educ. Bldg., soon takes bids 12 story, 60 x 122 ft., rein.-con., 11th and Locust Sts. $700,000. T. P. Barnett Co., 1549 Arcade Bldg., archts. and engrs.

Tex., Georgetown—High School—School Bd. Having plans prepared by C. H. Page & Bros., archts., Austin Natl. Bank, Austin, 2 story, rein.-con. and brick. $200,000.

Tex., Waco—Library—Baylor University, 5th and Speight Sts., had plans prepared by B. C. Easterwood, archt., 412 Praetorian Bldg., 2 story and basement, rein.-con. and brick, plain foundation. $150,000.

Okla., Okmulgee—Club—Elk Lodge 1136, having plans prepared by Smith & Senter, archts., Okmulgee, 4 story and basement, 50 x 130 ft., brick, concrete and stone. $200,000.

Calif., Fresno—Cathedral and Store—Lodge of Perfection No. 6, Scottish Rite Masons, having plans prepared by C. Werner, archt., Humboldt Bank Bldg., San Francisco, 4 story, fireproof construction, Stanislaus and L Sts. $250,000. T. R. Thompson, 1st Natl. Bank Bldg., secy.

Calif., Madera—Hospital—Madera Co. to vote on $150,000 bonds in November for hospital. Architect not selected.

Calif., Mountain View—High School—Mountain View Union High School Dist. voted $197,000 bonds for high school. Architect not selected.

Calif., Oakland—Cathedral—Scottish Rite Bodies, A. & A. S. R., had preliminary plans prepared by C. Werner, archt., Humboldt Bank Bldg., San Francisco, cathedral, 14th and Alice Sts. $1,000,000.

Calif., Oakland—High School—City having preliminary plans prepared by C. W. Dickey, city school archt., City Hall, high school, Park Blvd. and Hopkins St. $100,000 available at this time, which will finance construction of first unit. Total cost $1,000,000.

Calif., San Francisco — Apartment — Kiernan & O'Brien, 110 Sutter St., had plans prepared by A. W. Burgren, archt., French Bank Bldg., 6 story and basement, 68 x 121 ft., rein.-con. and steel, Geary St. near Taylor St. $225,000.

BIDS DESIRED

N. Y., Brooklyn—Store and Office—S. Ageloff and H. Wittemann, 26 Court St., brick, steel and stone, plain foundation, Flatbush Ave. extension and De Kalk Ave. $250,000. Work will be done by separate contracts. Private plans.

N. Y., New York—Court House—Oct. 9, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., brick, steel and stone, plain foundation, East 161st St. between Washington and Brook Aves. $200,000.

N. Y., New York—Office—Harby, Abrons & Melins, 15 East 40th St., 11 story, 100 x 110 ft., brick, steel and stone, plain foundation, 27 West 60th St. $1500,000. Work will be done by separate contracts. Rouse & Goldstone, 512 5th Ave., archts. and engrs.

N. Y., New York—Store and Office—Barrett Estate, c/o W. Hohauser, archt. and engr., 116 West 39th St., 8 story, 50 x 100 ft., brick, steel and stone, plain foundation, 566 7th Ave. $200,000. Work will be done by separate contract under supervision of architect.

N. J., Ocean City—Hotel—Nov. 15, by V. B Smith, archt., Guarantee Trust Bldg., Atlantic City, 8 story, 150 x 235 ft., brick, stucco and steel, plain foundation, here, for J. B. Slocum. $800,000

Pa., Oakmont—Store and Apartment—H. Reinhold, Jr., archt., 1513 Walnut St., Phila., taking bids 3 story and basement, 180 x 181 ft., brick and steel, plain foundation, here, for Deavshall Co., Inc. $350,000. Noted Sept. 21.

Pa., Phila.—Store and Loft—Ballinger & Co., archts., 12th and Chestnut Sts., taking bids 9 story, 58 x 183 ft. and 34 x 74 ft., rein.-con. and brick, plain foundation, 112-22 North 12th St., for W. E. Herring, 112 North 12th St. $750,000. Noted Sept. 7.

D. C., Wash. — Church — Oct. 12, by Ballinger & Co., archts., 12 East Chestnut St., Phila., 5 story and basement, 129 x 152 ft., rein-con., brick, steel and cut stone, plain foundation, Maryland Ave., here, for Methodist Episcopal Church. $500,000.

Ga., Atlanta—Schools—Oct. 10, by Bd. Educ., c/o J. N. Landers, City Hall, 2 story and basement, 102 x 371 ft., rein.-con., marble, steel terra cotta, granite, brick and tile, Rawson, Cooper and Eugenia Sts.; 2 story and basement, 197 x 311 ft., with 2 wings, rein.-con., terra cotta, concrete, steel, brick and tile, rock foundation, Faith St. D. Smith, Grant Bldg., archt., for former. W. J. J. Chase, Peachtree Bldg., archt. for latter. A. T. Brown, Forsyth Bldg., engr.

Fla., Plant City—Hotel—Nov. 1, by M. L. Elliott, archt., 413 Curry Bldg., Tampa, 7 story, 105 x 105 ft., brick and steel, Reynolds and Evans Sts., for Plant City Hotel Corp. $150,000. Noted Sept. 14.

Ind., Evansville—High School—Oct. 26, by School Bd., 2 story and basement, 175 x 290 ft., brick and steel, Harlan Ave. $500,000. J. C. Llewellyn Co., 38 South Dearborn St., Chicago, archts. Noted Aug. 17.

Ind., Indianapolis—Hospital and Nurses' Home—Oct. 11, by Bd. of Health, for hospital, 3 story and basement, 44 x 136 ft. with 36 x 40 ft. wing, $175,000, nurses' home, 4 story and basement, 40 x 197 ft. with 38 x 48 ft. wing, $225,000, both brick and hollow tile, Margaret St. A. Scherrer, Indiana Trust Bldg., archt. Noted July 20 and Feb. 9.

Ind., South Bend—Hotel—Oliver Hotel Co., Main and Washington Sts., taking bids 7 story and basement, 65 x 125 ft., addition, brick and rein.-con. $600,000. H. H. Green, 30 North Michigan Ave., Chicago archt. Noted Jan. 12.

Mich., Dearborn—Engineering Laboratory—A. Kahn, archt., 1000 Marquette Bldg., Detroit, receiving bids and opens same about Oct. 12, 1 story, 18 ft. high, 202 x 804 ft., and 2 story, 27 ft. high, 51 x 235 ft., brick, steel, stone and rein.-con., plain foundation, Oakwood Blvd., here, for Ford Motor Co., Highland Park, $250,000.

Mich., Detroit—Apartment—A. Kahn, archt., 1000 Marquette Bldg., receiving bids 10 story and basement, 70 ft. high, 107 x 120 ft., rein.-con., brick and steel, plain foundation, Pingree Ave., for G. Klein, c/o architect.

Mich., Detroit—School—Oct. 10, by Bd. Educ., 2 story and basement, 120 x 130 ft., rein.-con., brick and steel, Clinton and Chene Sts. $150,000. Malcolmson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Chicago—Apartment—W. H. Cruyn, archt., 122 South Michigan Ave., receiving bids 3 story, 60 x 175 ft., rein.-con., brick and steel, Lotus St. and West End Ave. $150,000. Owners name withheld.

Ill., Paris—Hotel—Paris Hotel Co. receiving bids 4 story and basement, 60 x 130 ft., brick, here, $200,000. Johnson, Miller & Miller, 30 North 5th St., Terre Haute, Ind., archts. Noted Aug. 10.

Wis., Milwaukee—Apartment—Harris & Jillson, archts., 190 North State St., taking bids 3 story, 125 x 135 ft. $225,000. Owner's name withheld.. Noted June 29.

Wis., Superior—High School—Oct. 17, by L. A. Nichols, secy. Bd. Educ., 2 story and basement, 105 x 256 ft., rein.-con., brick and tile, West 5th St. $250,000. F. E. Johnson, 25 Wisconsin Blk., archt. and engr.

Minn., Duluth—Jail—Nov. 1, by F. W. Borgen, aud. St. Louis Co., 4 story and basement, 49 x 132 ft., rein.-con., granite and terra cotta, 2nd St. and 6th Ave. E. $400,000. Holstead & Sullivan, 407 Palladio Bldg., archts. and engrs. Noted Aug. 3.

Minn., Winona—Theatre—Oct. 12, by Beyerstedt Amusement Co., 2 and 3 story and basement, 36 and 54 ft. high, 60 x 140 ft., rein.-con., brick and tile. $150,000. W. F. Queisser, secy. O. A. Merman, 210 Linker Bldg., LaCrosse, Wis., archt.

Neb., Holdredge—High School—Oct. 17, by Bd. Educ., high school, Davis & Wilson, 515 Security Mutual Bldg., Lincoln, archts. Noted March 2.

Mont., Butte—Lodge—Oct. 10, by Masonic Temple Assn. 3 story and basement, 90 x 100 ft., rein.-con., brick, tile and stone addition. $200,000. W. W. Smith, 10 Richmond Apts., Butte, and Link & Haire, Helena, archts. Noted June 8.

Mo., Columbia—Hospital—Oct. 16, by E. E. Brown, business mgr., 117 Jesse Bldg., 3 story, brick, plain foundation, for Missouri University. $175,000-$200,000. Jamieson & Spearl Arcade Bldg., St. Louis, archts. Noted Feb. 2.

Calif., Exeter — School — Oct. 14, by Trustees Exeter High School Dist., 3 rein.-con. high schools. $150,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted June 22.

BIDS RECEIVED

Ia., Waterloo — Apartment — Walnut Realty Co., c/o F. Adams, pres., 302 Walnut St., general contract, 4 story and basement, 100 x 230 x 315 ft., brick, steel, tile and stone, Walnut, Pine and Iowa Sts., from H. Evers, 656 Builders Exch., $248,000; Madsen & Peterson, 646 Builders Exch., $252,650; Beck Eng. & Constr. Co., 1137 Plymouth Bldg., $256,000. All contractors of Minneapolis, Minn.

Calif., San Francisco—Church and School—Roman Catholic Archbishop of San Francisco, 1100 Franklin St., 3 story, rein.-con. and steel, Filbert St. near Powell St., from Grace & Bernieri, Claus Spreckels Bldg., $160,000; R. Trost, 26th and Howard Sts., $167,000; Fennell & Chisholm, 180 Jessie St., $172,047. Noted Aug. 31.

CONTRACTS AWARDED

Mass., Boston—Office—Realty Investment Trust, c/o Coolidge — Shattuck, archts., 122 Ames Bldg., 12 story, 105 x 110 ft., brick, rein.-con. and steel plain foundation, Beacon and Somerset Sts., to G. A. Fuller Co., 131 State St. Archts. est. $1,250,000.

Mass., Shrewsbury—High School—Bd. Educ., 2 story and basement, 66 x 161 ft., brick and steel, plain foundation, Main St., to J. J. Powers, 15 Ashland St., Worcester. Archts. est. $150,000. Noted Sept. 7.

Buildings (Continued)

N. Y., Brooklyn—Exchange—New York Telephone Co. 15 Dey St., New York, 8 story, brick, steel and stone, plain foundation, Willoughby Ave. here, to James Stewart & Co., 30 Church St., New York. Archts. est. $1,000,000. Noted March 2.

N. Y., Brooklyn—Schools—C. B. J. Snyder, supt. School Buildings, Concord St., P. S. 193, Ave. L, to T. A. Clarke Co., 122 Livingston St., $567,000; P. S. 192, 18th Ave., to G. F. Driscoll Co., 115 Schermerhorn St., $572,990. Noted Sept. 28.

N. Y., Coney Island (Brooklyn P. O.)—Bank—Bank of Coney Island, Surf Ave., brick and stone, plain foundation, Surf Ave., to F. G. Fearon, 280 Madison Ave., New York City. Archts. est. $150,000. Noted June 22.

N. Y., New York—Apartments—Joint ownership Constr. Co, c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., 2 brick, steel and stone, plain foundations, Lexington Ave. and 69th St., to Hegeman-Harris, 184 Madison Ave. Archts. est. $750,000 each.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., brick, steel and stone, plain foundation, East 184th St., to E. E. Paul, 101 Park Ave. Archts. est. $200,000. Noted Sept 28.

N. Y., New York—Office—Nine to Eleven East 41st St. Corp., c/o Townsend, Steinle & Haskell, archts. and engrs., 8 West 40th St., 12 story, 44 x 93 ft., brick, steel and stone, plain foundation, 9-11 East 41st St., to Fountain & Choate, 110 East 23rd St. Archts. est. $300,000

N. Y., New Rochelle—Apartment—Pintard Apartments, Inc., c/o E. D. Litchfield, archt. and engr., 477 5th Ave., New York, 6 story, 100 x 152 ft., brick, steel and stone, plain foundation, Main St. and Pintard Ave., here, to T. J. Steen, 8 East 41st St., New York. Archts. est. $500,000.

Pa., Abbottstown—Home—Paradise Protectorate, Harrisburg, 2 story, 55 x 110 ft. brick and steel, plain foundation, here, to J. Stapf, 2246 North 3rd St., Harrisburg.

Pa., Easton—Gymnasium—Lafayette College, 1 story and mezzanine, 106 x 110 ft., rein.-con., brick and steel, plain foundation, to C. McCaul Co., 1713 Sansom St., Phila. $300,000.

Pa., Phila.—Auditorium—Women's Club of Germantown, 2½ story and basement, 70 x 90 ft., rein.-con., brick and steel, plain foundation, Germantown Ave. and Washington Lane, to S. Harting & Sons, 20 East Jackson St. Archts. est. $205,000.

Pa., Pottstown — School — School Bd., 2 story and basement, 66 x 130 ft., rein.-con., brick and steel, plain foundation, to F. H. Kaiser, Pottstown. Archts. est. $200,000.

Pa., Scranton—Store and Office—C. A. Rehrig, 133 Adams Ave., 3 story, 41 x 141 ft., brick and stone, Adams Ave., to Bellman & Son, 220 Ash St. Archts. est. $150,000.

W. Va., Beckley — Bank and Office — Beckley Natl. Bank, 1 story, 50 x 70 ft., brick and stone, Fayette and Main Sts., to J. O. Freeman, Beckley, $115.000. Noted Aug. 17.

Ga., Atlanta—Apartment—E. D. Duncan, Grant Bldg., 9 story and basement, rein.-con., steel and brick, rock foundation, Peachtree and West Peachtree Sts. to Gude & Co., Chandler Bldg., $500.000.

Ga., Atlanta—Schools—For 2 story and basement, brick and tile annex, rock foundation, on English Ave. and Pelham St., to Barge Thompson Co., Brandon Bldg., $179,000; 4 story and basement, rein.-con., rock foundation, Cherry and West 3rd Sts., to Pittman Constr. Co., Rhodes Bldg., $175,000; 3 story, brick annex, rock foundation, Lucile Ave. and Railroad Sts., to W. P. Francis, 74 Marietta St., $174.165; 2 story and basement, concrete, steel and brick, rock foundation, Virginia Ave., to A. G. Krebs Constr. Co., Rhodes Bldg., $146,393; 2 story and basement, concrete, steel, brick and tile, rock foundation, Ivy St. to W. H. George, 74 Marietta St., engrs. est. $143,932; 2 story and basement, concrete, steel and brick, rock foundation, (Roach Mitchell School), and 2 story and basement, concrete, steel and brick, rock foundation (Summer Hill School), to Southern Ferro Concrete Co., Trust Co. of Georgia Bldg., $165,589 and $151,303 respectively.

O., Canton—School—Bd. Educ. 2 story and basement addition, to M. Katzman & Sons, 906 Home Savings & Loan Bldg., Youngstown, $172,512.

O., Cleveland — Apartments — Seventy-Seven-Eleven Euclid Co., c/o T. C. Minor, archt., 9501 Wade Park Ave., two 4 story, 44 x 200 ft., brick, 7711 Euclid Ave., to A. Laws, 2206 East 93rd St.

O., Cleveland—High School—Bd. Educ., East 6th St. and Rockwell Ave., 3 story and basement, 300 x 311 ft., brick, steel and concrete, East 152nd St. and St. Clair Ave., to Drummond-Miller Co., 4500 Euclid Ave., $1,681,865. Noted Sept. 28.

O., Warren—Commercial—Union Savings & Trust Co., 3 story, 52 x 100 ft., terra cotta front, East Market St., to C. Shutrump, Warren, and 407 Home Savings & Loan Bldg., Youngstown. Archts. est. $200,000.

O., Youngstown—School—Bd. Educ., addition to school on Hillman, Princeton and Sherwood Sts., to Moore-Lamb Constr. Co., 203 Stambaugh Bldg., $310,000. Archts. est. $300,000. Noted April 27.

Mich., Detroit—Office—Detroit Life Insurance Co., 4709 Woodward Ave., 10 story and basement, 124 ft. high, 40 x 96 ft., rein.-con., brick and steel, Park Blvd., to O. Misch Co., 1370 Bway. Ave., $287,000.

Ill., Chicago—Apartment—F. J. Campbell, 68th and Merrill Sts., 3 story, 112 x 120 ft., on 68th and Merrill Sts., and 3 story, 68th and Crandon Sts., both rein.-con., brick and steel, to D. O. Crilly Constr. Co., 68th and Merrill Sts., $150,000 each.

Ill., Chicago—Apartment—F. J. Campbell, 68th and Merrill Sts., 3 story, 120 x 125 ft., rein.-con., brick and steel, 68th and Clyde Sts., to D. O. Crilly, 68th and Merrill Sts. Archts. est. $450,000.

Ill., Chicago — Apartment — Edelson & Paulin, c/o Loewenberg & Loewenberg, archts., 111 West Monroe St., 8 story, 150 x 150 ft., rein.-con., brick and steel, 2418-28 Pine Grove Ave., to O. W. Rosenthal-Cornell Co., 80 East Jackson Blvd. Archts. est. $1,000,000.

Ill., Chicago — Apartment — F. B. McGough, c/o Harris & Jillson, archts., 190 North State St., 3 story, 120 x 150 ft. rein.-con., brick and steel, Jarvis Ave., to Nelson & Borg, 7648 East Lake Terrace. Archts. est. $175,000. Noted May 11.

Ill., Chicago—Apartment—P. Zisken, 6141 South May St., 3 story, 110 x 120 ft., rein.-con., brick and steel, 6948-58 Clyde Ave., to H. Entin, 2116 Alice Pl. Archts. est. $150,000.

Ill., Chicago—Gymnasium—Loyola University, Sheridan Rd. and Loyola Ave., 2 story, 95 x 175 ft., rein.-con., brick and steel, 6441-47 Sheridan Rd., to G. W. Stiles Constr. Co., 159 East Ontario St. Archts. est. $200,000.

Ill., Chicago—Hotel—G. F. Adams, c/o J. E. O. Pridmore, archt., 38 South Dearborn St., 3 story and basement, 50 x 150 ft., rein.-con., brick and steel 4826-30 Winthrop Ave., to A. and E. Anderson Co., 19 South La Salle St. Archts. est. $200,000.

Wis., Milwaukee — Hospital — Columbia Hospital, Maryland and Hartford Aves., 5 story and basement, 70 ft. high, 30 x 100 ft., rein.-con. and brick addition, plain foundation, Maryland Ave., to J. L. Stanage, 3216 Vliet St. Engrs. est. $150,000.

Ia., Des Moines—Apartment—Fleisher Constr. Co., 606 Builders Exch. Bldg., Minneapolis, Minn., 6 story and basement, 133 x 170 ft., rein.-con., brick and steel, 3340 West Grand St., by day labor. $750,000. Vorse, Kraetsch & Kraetsch, 911 S and L Bldg., archts.

Ia., Sioux City—Store and Office—War Eagle Hotel Co., c/o F. M. Pelletier, pres., 413 Pierce St., 2 story and basement, 150 x 150 ft., brick, concrete, steel and terra cotta, 6th and Pierce Sts. to K. B. White, Davidson Bldg., $141,000.

Tex., San Antonio—Hotel—H. H. Rogers, Central Trust Bldg., and associates, 9 story, 100 x 100 ft., rein.-con. and brick, to J. DePuy, Bedel Bldg., $300,000.

Okla., Tulsa—Temple—Akdar Temple, 3 story, 150 x 200 ft., 4th and Denver Sts., to Sutherland Constr. Co., Syndicate Trust Bldg., St. Louis, Mo. Archts. est. $800,000. Noted May 11.

Mo., Kansas City—Church—St. Vincent Parish 1 story and basement, 40 x 200 ft., rein.-con., stone and steel, Flora Ave. and South 31st St., to Midwest Building Co., 3108 Flora Ave. Archts. est. $200,000.

Mo., Springfield—Hotel—Colonial Hotel Co., St. Louis and Jefferson Sts., 6 story and basement, 44 x 90 ft., brick, steel and concrete, to Caldwell & Son, State Savings and Trust Bldg., Indianapolis, Ind. Archts. est. $200,000.

Calif., San Francisco — Club — Women's Athletic Club, 6 story addition, Sutter St. near Mason St., to Mission Concrete Co., New Call Bldg., $135,000. Noted Aug. 10.

Federal Government Work

PROPOSED WORK

N. Y., Chelsea — Brick — Treas. Dept., Wash., D. C., rejected bids furnishing and delivering 5,000,000 brick at site of proposed U. S. Veterans' Hospital, here. Noted Aug. 31.

Md., Camp Holabird—Quarters — Constructing Quartermaster, Camp Holabird, plans to convert Bldgs. 709 and 710 into officers' quarters.

Va., Camp Eustis — Repairs—Constructing Quartermaster, Camp Eustis, plans to repair wharf, here.

Va., Norfolk — Filling — Constructing Quartermaster, Norfolk, plans filling around piling at Army Depot.

Ga., Savannah—Catamarans—Constructing Quartermaster, Savannah, plans pontoon catamarans and pipe for Dredge Morgan.

Fla., Pensacola—Steam Distribution System—Spec. 4715—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans steam distribution system, here.

Ala., Montgomery—Barge—Constructing Quartermaster, Montgomery, plans steel barge.

O., Columbus—Replacing Boilers—Constructing Quartermaster, Columbus, plans replacing boilers in Bldg. 57.

Kan., Ft. Leavenworth — Remodeling — Constructing Quartermaster, Ft. Leavenworth, plans converting Bldg. 53 into school.

Tex., Ft. Bliss—Hangars—Constructing Quartermaster, Ft. Bliss, plans 2 steel hangars, here.

Calif., Mare Island—Storage Plant—Spec. 4717—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans fuel oil storage plant, here.

Calif., Tiburon—Water Supply System—Spec. 4716—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans water supply system, here.

BIDS DESIRED

N. H., Portsmouth—Roof—Spec. 4711—Oct. 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., re-roofing Marine Bas and boiler house, here.

Mass., Fall River—Extension to Workroom—Oct. 17 by Treas. Dept., Wash., D. C., extension to workroom, here. J. A. Wetmore, acting superv. archt.

R. I., Providence—Dredging—Oct. 30, by U. S. Engineer, Providence, maintenance dredging in Milford Harbor, Conn.; adv. this issue.

N. Y., Buffalo—Superstructure—Oct. 30 at office U. S. Engineer, Buffalo, stone-concrete superstructure on breakwater in harbor; adv. this issue.

N. J., Dover—Sewers—Oct. 11 at office Constructing Quartermaster, 39 Whitehall St., New York City, sewers at Picatinny Arsenal, here; adv. this issue.

Pa., Phila. — Foundations, etc. — Spec. 4736—Oct. 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., foundations and hospital buildings, here

Va., Richmond—Alterations, etc.—Oct. 30, by Treas. Dept., Wash., D. C., alteration, etc., to U. S. Post Office, Court House and Custom House, here. J. A. Wetmore acting superv. archt.

Va., Virginia Beach—Septic Tank, etc.—Spec. 4709—Oct. 18, by Bureau Yards & Docks, Navy Dept., Wash., D. C., septic tank and tile drains, here. Noted Sept. 28.

Minn., Rochester—Extension to Workroom, etc.—Oct. 27 by Treas. Dept., Wash., D. C., extension to workroom, etc., in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Wash., Puget Sound—Dredging—Spec. 4708—Oct. 25, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging, here. Noted Sept. 28.

Calif., San Diego—Dredging—Oct. 21, at office U. S. Engineer, 725 Central Bldg., Los Angeles, dredging in harbor, here.

BIDS RECEIVED

N. M., Ft. Bayard — Quarters — Treas. Dept., Wash., D. C., officers' and employees' quarters at U. S. Veterans' Hospital, here, from R. E. McKee, 1900 Texas St., El Paso, Tex., $143,200; Romey Bros., El Paso, Tex., $147,400; J. I. Kane & Co., El Paso, Tex. $148,000. Noted Aug. 31.

Alaska, Cordova—Post Office—Treas. Dept., Wash., D. C., for U. S. Post Office, here, from Warrack Constr. Co., Arcade Bldg., Seattle, Wash., $110,300.

Federal Government Works (Continued)

CONTRACTS AWARDED

Mass., Northampton—Hospital—Quartermaster General, 2306 Munitions Bldg., Wash., D. C., group of buildings for U. S. Veterans Hospital here, to G. A. Fuller Co., 949 Bway., New York City, $2,117,000. Noted Sept. 21.

Va., Hampton Roads—Riprap Protection—Spec. 4699—Bureau Yards & Docks, Navy Dept., Wash., D. C., riprap protection for breakwater pier at Naval Operating Base, here, to Arundel Corp., Pier 2, Pratt St., Baltimore, Md., $150,000. Noted Sept. 14.

Fla., Jacksonville—Jetty Repairs—U. S. Engineer, jetty repairs in St. Johns River, to Waterfront Constr. Co., Charleston, S. C., $5.87 per ton. Noted Aug. 24.

Ala., Florence—Barges—U. S. Engineer for 2 steel barges to Charles Ward Eng. Co., South Side, Charleston, W. Va., $34,000. Noted Aug. 24.

Ala., Mobile—Dredge Pontoons, etc.—U. S. Engineer, dredge pontoons and discharge pipe for U. S. Dredge Wahalak, to Penn Bridge Co, Beaver Falls, Pa., $28,903. Noted Aug. 17.

La., New Orleans—Barges—U. S. Engineer, 329 Customhouse, for 2 steel oil barges in Mississippi River, to Midland Barge Co., Midland, Pa., $59,850. Noted Aug. 24.

Mich., Detroit — Boiler — Treas. Dept., Wash., D. C., installation new boiler, in Marine Hospital, here, to R. L. Spitzley Heating Co., 246 Larned St., W., $8,200 (60 days).

Ill., Springfield—Extension—Treas. Dept., Wash., D. C., extension to building and driveway, at U. S. Post Office, here, to L. Van Dorp & Son, 509 Jackson St., Topeka, Kan., $7,202 (90 days).

Ore., Portland—Stone—U. S. Engineer, stone for jetty construction, Yaquina Bay, here, to Miami Quarry Co., Portland (street address not available. $246,600.

Cuba, Guantanamo — Chimney — Spec. 4705—Bureau Yards & Docks, Navy Dept., Wash., D. C., rein.-con. chimney here, to Weber Chimney Co., 322 South Michigan Ave., Chicago, $5,100 (150 days). Noted Sept. 14.

FEDERAL POWER COMMISSION

Applications for Licenses and Permits

Applications

334—American River Water & Power Co., Auburn, Calif.—Wants preliminary permit for diversion from Rubicon River to Middle Fork of American River. Project includes reservoir at French Meadows in Middle Fork, diversion tunnel and canal to Power house in North Fork, 3 additional diversion dams, canals and powerhouses from No. 1 power house to point on main stream American River near Auburn.

335—Mt. Shasta Power Corp., 445 Sutter St., San Francisco, Calif.—Wants license for 2 transmission lines from Pit River to Cottonwood, Shasta Co.

336—Gannett, Seelye & Carpenter, 204 Locust St., Harrisburg, Pa.—Wants preliminary permit for dam, 20 ft. high, and power house in Juniata River near Newport.

337—P. B. Cross, c/o R. W. Van Norden, Mills Bldg., San Francisco, Calif.—Wants preliminary permit for dam in Deer Creek, 12 mi. tunnel and conduit to power house on same stream, Tehama Co. near Chico.

338—Nevada Irrigation Dist., Grass Valley, Calif.—Wants license for irrigation and power project on Middle Fork Yuba River, also on Canyon Creek, South Fork of North Yuba and North Fork Middle Yuba.

339—Washington Coast Utilities Co., Arlington, Wash.—Wants license for 1 mi. transmission line near Waterville, Douglas Co.

340—San Diego Consolidated Gas & Electric Co., Timken Bldg., San Diego, Calif.—Wants license for transmission line between Rincon Indian Reservation and Henshaw dam.

341—J. M. Freeman, Billings, Mont.—Wants license for minor project on Boulder Creek near Shoup, Lemhi Co., Idaho.

342—Virginia-Western Power Co., Clifton Forge, Va.—Wants license for dam and power plant on James River at Balcony Falls, in Natural Bridge, National Forest.

343—West Virginia Power & Transmission Co., 14 Wood St., Pittsburgh, Pa.—Wants preliminary permit to develop power on Cheat River in West Virginia and Pennsylvania, by series of power projects and reservoirs, beginning with dam and power house near Monongalia-Preston County Line, and including projects on Dry Fork and Shavers Fork.

344—San Gorgonia Power Co. c/o W. L. Huber, 1st Natl. Bank Bldg., San Francisco, Calif.—Wants license for 2 diversion dams, conduits, pipelines and power houses in San Gorgonia River, Riverside and San Bernardino Counties.

345—Snow Mountain Water & Power Co., 216 Pine St., San Francisco, Calif.—Wants preliminary permit for reservoir on Middle Fork Eel River, tunnel and conduit to reservoir on Elk Creek, and to existing Van Arsdale Dam.

Miscellaneous

PROPOSED WORK

Street Lighting System—Williamsport, Pa.—See "Streets and Roads."

Transmission Lines—Knoxville, Tenn.—See "Industrial Works."

Transmission Lines—Parkersville (Benton P. O.), Tenn.—See "Industrial Works."

Transmission Line—Clinton, Ind.—See "Industrial Works."

Street Flusher and Sprinkler—Sheboygan, Wis.—Plans to purchase street flusher and sprinkler. $8,000. J. Seeimle, clk.

Reservoir—Centerville, Ia.—Plans concrete reservoir to drain 1,500 acres. $45,000. E. A. Crane, city clk.

Cemetery—Kansas City, Mo.—Moriah Cemetery Assn., c/o G. H. Imbrie, 100 Interstate Bldg., having surveys made improving 80 acres land for cemetery, incl. new walks, roadways, drives and entrance gates, 105th and Holmes Sts. Hare & Hare, 604 Gumble Bldg., landscape archt. Tuttle, Ayres, Woodward Eng. Co., 606 Interstate Bldg., archts.

River Equipment, etc.—Blythe, Calif.—See "Excavation, Drainage and Irrigation."

Transmission Line—Modesto, Calif.—Modesto Irrigation Dist. had plans prepared 37 mi. of 66 kva. wood pole, pin type insulators, copper strand conductor transmission line, involving 740 wood poles, 111 mi. copper and 40 mi. iron wire, 2,400 pin type insulators, etc. $3,500 per mi. P. Jones, Modesto, ch engr.

BIDS DESIRED

Wharf and Bulkhead — Boston, Mass. — Oct. 11, by E. Dana, genl. mgr. Boston Elevated Ry. Co., 108 Massachusetts Ave., 50 x 106 ft. oak pile and timber wharf and bulkhead, at South Boston Power Station. $25,000. C. H. Tenney & Co., 201 Devonshire St., engrs.

Sea Walls—Gloucester, Mass.—Oct. 13, by Dept. Pub. Wks., State House, Boston, 76 lin.ft. granite seawall, 1,008 lin.ft. granite faced concrete seawall, 47 lin.ft. concrete seawall, 3 sets granite steps. F. W. Hodgdon, ch. engr.

Spillway and River Protection—Herkimer, N. Y.—Oct. 13, by Superintendent Pub. Wks., Albany, spillway and protecting river banks at Movable Dam 14, here, 135 cu.yd. cutting concrete, 250 cu.yd. excav., 220 cu.yd. forming embankment, 295 cu.yd. 2nd class concrete and 2,500 lb. metal in stairs. $4,799.

Broken Trap Rock Stone, etc.—New York, N. Y.—Oct. 9, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., furnishing and delivering 4,000 cu.yd. 1½ in. broken trap rock stone, 2,000 cu.yd. broken trap rock stone screenings, 350 ton asphaltic cement, 200 ton limestone dust or other suitable inorganic dust, 3,500 cu.yd. asphalt wearing surface sand and 3,000 cu.yd. binder stone.

Wood Paving Blocks—New York, N. Y.—Oct. 10, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 300,000 wood paving blocks.

Bulkhead, etc.—Laurence Harbor (Cliffwood P. O.), N. J.—Oct. 20, by Laurence Harbor Heights Co. at office of Morrisey & Walker, Laurence Harbor, constructing bulkhead, boardwalk, grading, etc. H. O. Todd, 51 Valley Dr., Atlantic Highlands, civil engr.; adv. this issue.

Steam Pumps—Atlanta, Ga.—Oct. 31, by City Purchasing Agent, steam pumps for Hemphill Pumping Station also for Chattahoochee River Pumping Station. P. H. Norcross, 1404 Chandler Bldg., consult. engr.; adv. this issue.

Signal System—Minneapolis, Minn.—Oct. 11, by K E. Alexander, city purch. agt., fire alarm signal system in underground conduits, 99,878 lin.ft. cable, 3 to 55 pairs, 6 to 110 conductors. N. W. Elsberg, city engr.

Hot Water Generators, etc.—St. Louis, Mo.—City taking bids hot water generators, small pumps and 2 small garbage furnaces for Robert Koch Hospital. $25,000. W. E. Bowen, 305 City Hall, engr.

Road Roller—Dallas, Tex.—Oct. 12, by Comrs. Dallas Co., one or more 10 ton road rollers (motor.) Nagle Witt Rollins Courthouse, engrs.

Auto Flushing Machine—San Francisco, Calif.—Bd. Pub. Wks. in market for auto flushing machine with 1,000 gal. tank capacity, pressure from tank to be operated independently. P. J. Owens, 11th and Bryant Sts., Supt. of Street Cleaning Dept.

Rock Fill—San Francisco, Calif.—Oct. 11, by Bd. Pub. Wks., constructing rock fill along Marina Blvd. fronting Yatch Harbor, 3,600 ton Class A and 13,600 ton Class B rock fill. $45,000. M. M. O'Shaughnessy, city engr.

Tractors—San Jose, Calif.—Oct. 16, by H. A. Pfister, clk. Santa Clara Co. furnishing and delivering one or more 60 hp. Cruiser type best track layer tractors, also one or more 30 hp. best track layer tractors.

Steam Rollers—Vancouver, B. C.—J. S. Stuart, city purch. agt., taking bids on 3 ton and 5 ton tandem steam roller.

BIDS RECEIVED

Coal Handling Plant—New York, N. Y.—Bd. Health, 505 Pearl St., opened bids Sept. 29, altering and erecting coal handling plant at Riverside Hospital, North Brother Island, Bronx Boro, from McHarg Barton Co., 1328 Bway., $16,800; Guarantee Constr. Co., 140 Cedar St., $16,875; W. J. Haskins, 50 Church St., $17,500. Noted Sept. 21.

Granite Paving Blocks, etc.—New York, N. Y.—Bd. Purch., Municipal Bldg., opened bids Sept. 26, furnishing and delivering granite paving blocks, to Dept. Plant & Structures, from J. Leopold Co., Woolworth Bldg., $10,275, Hildreth Granite Co., 150 Nassau St., $10,650; structural steel to Plant & Structures, from Amer. Bridge Co., 30 Church St., $58,450.

Plumbing and Drainage Work, etc.—New York, N. Y.—Bd. Educ., 500 Park Ave., opened bids Sept. 27, plumbing and drainage work in P. S. 139, from J. J. Kenny Sons, 236 West 20th St., $39,100, N. P. Lorenzo, 430 Pearl St., $39,239, Nally Plumbing Co., $39,425; electric wiring and fittings in above school, from Jandous Electric Equipment Co., 109 West 31st St., $20,900, Croker Natl. Fire Prevention Eng. Co., 22 West 30th St., $21,250, T. F. Jackson, 99 John St., $21,560.

Oil Storage Reservoir—Tracy, Calif.—Pacific Oil Co., 79 New Montgomery St., San Francisco, oil storage reservoir, 47,800 cu.yd. cut and fill, 2,400 cu.yd. concrete, 640,000 ft. lumber, 280,000 sq.ft. fabric roofing, here, from Shattuck Constr. Co., Underwood Bldg., San Francisco, $100,000.

CONTRACTS AWARDED

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—C. B. J. Snyder, supt. School Buildings, Concord St., heating, ventilating and temperature-regulating apparatus, in P. S. 67, easterly side of St. Edwards St., etc., to T. F. Hall, 405 Lexington Ave., New York, $71,083. Noted Sept. 28.

Heating and Ventilating Apparatus, etc.—Elmhurst (Flushing P. O.), N. Y.—C. B. J. Snyder, supt. School Buildings, Concord St., Brooklyn, heating, ventilating and temperature regulating apparatus, in P. S. 102, southerly side of Van Horn St., here, to D. J. Rice, 42nd St. and Lexington Ave., New York, $41,487. Noted Sept. 28.

Steel Dock—New Orleans, La.—Algiers Dry Dock & Ship Repair Co., Ltd., 334 Powder St., will build floating all steel dock, 10,000 deadweight ton capacity, by day labor. $400,000. E. Berthaut, pres.

Tunnel—Cleveland, O.—See "Industrial Works."

Portland Cement, etc.—St. Paul, Minn.—H. W. Austin, city purch. agt., 3,000 bbl. Amer. Portland cement, to Speakes Co., Griggs and Fuller Sts., $2.85 delivered; 250 bbl. Atlas-white non-staining portland cement, to St. Paul Builders Material Co., 605 Ryan Annex, $8 per bbl. on track. Noted Sept. 14.

Underground Electric System—Willmar, Minn.—City distribution system for light and power service and ornamental lights, incl. removal of overhead wires, about 15 blocks, to Power Equipment Co., 212 3rd Ave., N., Minneapolis, $60,000.

Telephone Line—Dillon, Mont.—Beaverhead Trans. Co., Dillon, 27 mi. telephone line from Madison River to Dillon, by day labor. $50,000.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Oct. 10.

Road Improvement

Bradley Beach, N. J.

Sealed proposals will be received by the Board of Commissioners of the Borough of Bradley Beach, at the Borough Hall in the Borough of Bradley Beach, Monmouth, N. J., for grading, graveling, paving, and otherwise improving Ocean Avenue in said Borough, in accordance with Plans and Specifications prepared by Niart Rogers, Borough Engineer.

Bids will be received until eight o'clock P.M., on the 10th day of October, A. D. 1922.

All bids must be addressed to the City Clerk, endorsed on the envelope, "Bid For Paving Ocean Avenue."

Each bid must be accompanied by a certified check in the amount of ten (10) per cent of the total amount bid for the entire work stated in the Proposal, said check to be made payable to the Borough of Bradley Beach, and to be accompanied by a certificate from a surety company stating that said Surety Company will provide the bidder with the required bonds.

Specifications and plans can be obtained of the Borough Clerk upon deposit of Ten Dollars, which amount will be refunded upon the return of same in good serviceable condition.

No contract for said work will be awarded until the same has been approved by the Board of Chosen Freeholders of the County of Monmouth, N. J.

The Commissioners reserve the right to reject any and all bids, to waive any informalities; and also to award separate contracts for any portion or portions of any or all of said work.

FREDERIC P. REICHEY,
Borough Clerk.

NIART ROGERS,
Borough Engineer.
Dated: Sept. 26, 1922.

Bids: Oct. 24.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock P. M., on Tuesday the 24th day of October, 1922 for the improvement of highways in the following counties:

HAMILTON .....(one highway: 3.57)
ORANGE .....(one highway: 3.71)
SARATOGA .....(one highway: 2.67)
SUFFOLK ....(two highways: 2.41 & 0.09)

ALSO FOR THE RECONSTRUCTION OF THE FOLLOWING:

BROOME .....(one contract: 2.27)
CHEMUNG .....(one contract: 3.00)
CLINTON .....(one contract: 3.19)
OTSEGO .....(one contract: 2.00)
STEUBEN .....(one contract: 2.50)
SUFFOLK .....(one contract: 2.36)
WESTCHESTER .....(one contract: 2.67)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "Geueral Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner,
State Commission of Highways.
J. C. FINCH, Secretary.

OFFICIAL PROPOSALS

Bids: Oct. 20.

Bulkhead, Boardwalk, Grading, etc.

Laurence Harbor, N. J.

The Laurence Harbor Heights Co. will receive bids for construction of bulkhead, boardwalk, grading, etc., at the office of Morrisey & Walker, Laurence Harbor, Middlesex Co., N. J., on Friday, October 20th, 1922, at 2 o'clock p.m., plans and specifications may be obtained from Herbert O. Todd, Civil Engineer, 51 Valley Drive, Atlantic Highlands, N. J. Right to reject any and all bids is reserved.

Make Plans Accessible to Distant Bidders

Plans and specifications for inspection by distant bidders may be filed at any of *Engineering News-Record* offices (without charge). Or a sufficient supply may be deposited at such of our offices as seem desirable, subject to your usual requirements in the matter of deposits, etc. We assume full responsibility for return of plans or deposits). Therefore, Contractors in all parts of the country can bid with equal convenience on contracts advertised in *Engineering News-Record*.

Bids: Oct. 24.

Concrete Water Reservoir

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain reinforced concrete water reservoir for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of the award of the contract to him.

Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the City Engineer on and after October 5th, 1922, upon deposit of $15.00, to be returned to the contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Building, Delivering and Erecting Steam Pumps

(HEMPHILL PUMPING STATION)

Atlanta, Ga.

Sealed proposals for building, delivering and erecting 15 and 30 M.G.D. Steam Turbine Driven Centrifugal Pumps and 15 M.G.D. Cross Compound Pumping Engines for the City of Atlanta, Georgia, will be received by the Purchasing Agent of the City of Atlanta at the City Hall until 2:30 p.m. on the 31st day of October, 1922.

The work will consist of building, delivering and erecting complete with all accessories, one or more Steam Pumps on foundations erected by the City of Atlanta in the Hemphill Pumping Station. The sizes and type of pumps will be determined after receiving bids.

Each proposal must be accompanied by a certified check payable to the City of Atlanta, in an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required.

Plans and specifications are on file at the office of the General Manager of the Atlanta Water Works, City Hall, Atlanta, Georgia. P. H. Norcross, Consulting Engineer, 1404 Candler Building, Atlanta, Georgia, and with the Engineering News-Record, New York City.

Bidders may obtain copies of the specifications from the Purchasing Agent by enclosing check for twenty-five dollars ($25.00) payable to the City of Atlanta, and to be held until return of specifications in good condition. The City reserves the right to reject any and all bids.

No proposal will be entertained unless made on the form, and sealed in the envelope furnished by the City of Atlanta.

Purchasing Agent, City of Atlanta, Ga.

Bids: Oct. 10.

Reinforced Concrete Pavement, Curb and Storm Water Sewer

Sag Harbor, N. Y.

Sealed proposals will be received and opened publicly by the Trustees of the village of Sag Harbor at the Municipal Building, Sag Harbor, New York, at 12 noon on Oct. 10, 1922, for the construction of approximately 1.14 miles of reinforced concrete pavement; 2,640 lin.ft. concrete curb; storm water sewers as follows: 540 lin.ft. 12-in. sewer, 1,830 lin.ft. 15-in. sewer, and 1,270 lin.ft. 24-in. sewer.

Plans, specifications and proposals may be seen at the office of the village clerk and at the office of the engineer. Copies thereof may be obtained of the engineer upon the payment of $15.00 per set to cover cost of reproduction and mailing, one-half of which will be refunded upon the return of said copies in good order.

Special attention of the bidder is called to sheet in proposal forms entitled "Information for Bidders."

All bids are to be accompanied by certified check equal to 5 per cent of the total amount of bid.

The right is reserved to reject any and all bids.

MORLEY B. LEWIS,
Village President.
H. F. BISHOP,
Construction Engineer,
Westhampton Beach, N. Y.

OFFICIAL PROPOSALS

Bids: Oct. 16.

Road Work

Perth Amboy, N. J.

Notice is hereby given that sealed bids will be received by the Board of Aldermen of the City of Perth Amboy, New Jersey, for the construction of the following extension to:

Route No. 4—Section No. 19, Amboy Avenue, Perth Amboy, Middlesex County; estimated amount of excavation unclassified is 39,088 cubic yards; of sheet asphalt surface (Grade N. A. 1) on an eight (8) inch reinforced Portland Cement Concrete Foundation is 23,943 square yards.

Bids will be received in the meeting room of the Board of Aldermen at the City Hall, Perth Amboy on Monday, October 16, 1922, at 8.30 p.m., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of Morgan F. Larson, City Engineer, Perth Amboy, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of Ten Dollars ($10.00) upon application to Morgan F. Larson, City Engineer, Perth Amboy, New Jersey. Bids must be made on the standard proposal forms in the manner designated therein and as required by the State Highway 1922 specifications, same to be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and the name and section of the Route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the City of Perth Amboy for not less than ten per cent (10%) of the amount of the bid, provided that said certified check shall not be less than $500.00 or more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each Bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the Board of Aldermen.

ARTHUR E. GRAHAM,
City Clerk.

Bids: Oct. 31.

Building, Delivering and Erecting Steam Pumps

(CHATTAHOOCHEE RIVER PUMPING STATION)

Atlanta, Ga.

Sealed proposals for building, delivering and erecting 15 and 30 M.G.D. Steam Turbine Driven Centrifugal Pumps and 15 M.G.D. Cross Compound Pumping Engines for the City of Atlanta, Georgia, will be received by the Purchasing Agent of the City of Atlanta at the City Hall until 2:30 p.m. on the 31st day of October, 1922.

The work will consist of building, delivering and erecting complete with all accessories, one or more Steam Pumps on foundations erected by the City of Atlanta in the Chattahoochee River Pumping Station. The sizes and type of pumps will be determined after receiving bids.

Each proposal must be accompanied by a certified check payable to the City of Atlanta, in an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond of one hundred (100%) per cent of the contract price will be required.

Plans and specifications are on file at the office of the General Manager of the Atlanta Water Works, City Hall, Atlanta, Georgia, P. H. Norcross, Consulting Engineer, 1404 Candler Building, Atlanta, Georgia, and with the Engineering News-Record, New York City.

Bidders may obtain copies of the specifications from the Purchasing Agent by enclosing check for twenty-five dollars ($25.00) payable to the City of Atlanta, and to be held until return of specifications in good condition. The City reserves the right to reject any and all bids.

No proposal will be entertained unless made on the form, and sealed in the envelope furnished by the City of Atlanta.

Purchasing Agent City of Atlanta, Ga.

OFFICIAL PROPOSALS

Bids: Oct. 17.

Highway Work

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., October 17, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of 30 miles of Reinforced Concrete, 18 miles of either Bituminous on a Concrete Foundation or Reinforced Concrete and 1 mile of Bituminous Macadam Pavement; also for the erection of a Reinforced Concrete Bridge. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street, Philadelphia, and 119 Federal Street, N. S., Pittsburgh, Pa. GEORGE H. BILES, Assistant State Highway Commissioner.

Mr. Potter Knows—

(Alexander Potter, C. E.)
(50 Church St., New York)

He recently received 63 requests for plans and specifications on a New Jersey water supply system.

Bids were advertised in the Official Proposal Columns.

"This speaks well for *Engineering News-Record* as an advertising medium," he wrote us.

Bids: Oct. 16.

Paving and Resurfacing Streets

Syracuse, N. Y.

Sealed proposals will be received at the Board of Contract & Supply until Monday, October 16th, 1922, at 9.30 a.m., for furnishing materials and Paving and Resurfacing the following streets.

NEW PAVEMENTS

Kellogg St., Slocum Ave., to Delaware St.
Shuart Ave., Sedgwick St., to Teall Ave.
Shotwell Park (W. Dr.), End of Pres. Pav't. at Melrose to S. L. lot 80.
Shotwell Park (E. Dr.), End of Pres. Pav't. at Melrose to S. I. lot 80 produced.
S. Alvord St., Butternut to Highland St.
Beecher St., Graves St to Jasper St.
Highland St., Highland Ave., to Park St.
Jasper St., Highland St., to End of Street.
Jasper Pl., Seward St., to Highland St.
Schneider St., Butternut St., to Jasper Place.
Coleridge Ave., Wilbur Ave., to Whittier Ave.
Grand Ave., Delaware St., to City Line.
Seward St., Alvord St., to N. L. Graves St.
Graves St., Seward St., to W. L. Highland St. E. L. Highland St., to . L. Beecher St.
E. Castle St., S. State St., to Renwick Ave.
Teall Ave., James St., to Peck Ave.
Merriman Ave., Center Line Massena St., to Geddes St.
Grand Ave., Delaware St., to Geddes St.
S. Geddes St., Stolp Ave., to S. L. Crossett St.
Rugby Road, Teall Ave., to W. L. of Lots 54 & 55.
Holland St., Solcum Ave., to Oswego St.

RESURFACING

Merriman Ave., Oswego St. to Center line Massena St.
Sabine St., Merriman Ave., to Messena St.
Walnut Ave., N. L. Harrison to University Pl. (including Adams St., Marshall St., & Waverly Ave. from Walnut Ave., to Walnut Place).
S. Crouse Ave., E. Fayette St., to University Place.
Holland St., Center line Oswego St., to Delaware St.
S. Milton Ave., Tompkins St., to Coleridge Ave.
Setting back the curb 2 feet on each side of Harrison St., Warren St., to Salina St.

OFFICIAL PROPOSALS

in the City of Syracuse, N. Y., in accordance with the plans and Specifications on file in the office of the Board of Contract and Supply.

A certified check for 5% of the total amount of each proposal, payable to the order of F. C. Sembach, City Treasurer, must accompany each proposal, the same to be forfeited upon failure to enter into contract within five days after notice of award from the Secretary of this Board.

BOARD OF CONTRACT & SUPPLY.
F. E. BARRY, Secretary.

Bids: Dec. 18.

STATE ELECTRICITY COMMISSION OF VICTORIA

Tenders for Plant

Melbourne, Australia.

Tenders are hereby invited for the supply, delivery, etc., of the following for the Morwell Power Scheme.

Copies of Tender Form and Specification and Drawings will be available upon application to: Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, First National Bank Building, CHICAGO, and Office of the Bureau of Foreign & Domestic Commerce, United States Department of Commerce, 734 Custom House, NEW YORK CITY.

SPECIFICATION No. 282. COAL HANDLING PLANT

CHARGE—£2.2.0 for the first 3 copies of Tender Form, Conditions of Contract, Specification and Drawings complete. These charges will be returned on receipt of a bona-fide tender. A fourth copy and any further copies will be supplied for the sum of 10/6 each.

PRELIMINARY DEPOSIT: A Preliminary Deposit of £50.0.0 is to be lodged with tender.

The Specification may be inspected at the above mentioned offices, and also at the office of: The Commissioner for Australia in U. S. A., Room 3012, 61 Broadway, NEW YORK.

The Commission does not bind itself to accept the lowest or any tender.

Tenders on prescribed form, properly endorsed and addressed, must be delivered to the undersigned in Melbourne not later than Noon, 18th December, 1922.

R. LIDDELOW, Secretary.
State Electricity Commission of Victoria,
22-32 William Street,
Melbourne,
Victoria, Australia.

Bids: Nov. 14.

Pumping Machinery

Newport, Ky.

Sealed proposals will be received by the Board of Commissioners of the City of Newport, Kentucky, at the office of said Board in City Hall, until 11 a.m. o'clock on Tuesday, the 14th day of November, 1922.

Bids will be received for Steam and Electric Driven deep well pumping machines of six million (6,000,000) gallons capacity per 24 hours, to be furnished and erected complete for operation in the pumping station of the Newport, Kentucky Water Works in accordance with the specifications for the work.

Each bid shall be accompanied by a cash deposit or a certified check in the sum of ten (10) per cent of the price made in the proposal. Checks to be made payable to the City of Newport, Kentucky, or order.

Said deposit to be made as a guarantee of good faith that the party making the proposal will within ten (10) days if the contract is awarded to him, execute the same with approved surety.

If the bidder fails to execute the contract after the work has been awarded to him, such bidder shall forfeit the sum so deposited.

Envelopes having the bids enclosed should be plainly indorsed "Proposals for Pumping Machines," and addressed to Thos. A. McGeough, Commissioner of Public Property, Newport, Kentucky.

Copies of Specifications will be furnished bidders on or after October 10th, 1922, upon application to the said Commissioner, or the Consulting Engineer.

The Commissioners reserve the right to reject any and all bids.

The City of Newport, Kentucky.
By THOS. A. McGEOUGH.
Commissioner of Public Property.
GEORGE HORNUNG,
Consulting Engineer,
Wool-Sack Building,
Newport, Kentucky.

OFFICIAL PROPOSALS

Bids: Oct. 16.

Construction of Sewer System

Ellsworth, Wis.

Proposals for the construction of a sewerage system and appurtenances will be received by the Village Board of the Village of Ellsworth, Wis., acting as a Board of Public Works, of the said Village up to 8 p.m. on Oct. 16th, 1922, and will be publicly opened and considered immediately thereafter. This work comprises approximately the following quantities:

17,000 ft 8 in. sewer 5-15 ft. deep
4,650 ft. 10 in. sewer 5-13 ft. deep
4,250 ft. 12 in. sewer 5-13 ft. deep
81 ft. Manholes
2 ft. Lampholes
3 ft. Imhoff Tanks, sludge beds, intermittent filters and accessories.

Plans and specifications may be seen at the office of the Village Clerk and at the office of the Engineers. Copies thereof may be obtained of the Engineers upon the payment of $15.00 per set to cover the cost of reproduction and mailing, ½ of which will be refunded upon their return in good order.

No proposal will be considered unless sealed and marked on the outside with the name of the bidder and a notation of the nature of the work for which bid is made, and filed with the Village Clerk.

Bidders must accompany their bids by a bond with sureties executed on the part of the bidder, which sureties shall justify as to their responsibility, and by their several affidavits show that they are worth in the aggregate at least the amount mentioned in the contract in property not by law exempt from execution, or in lieu of such bond, bidders may accompany their bid with a certified check equal to five per cent of the bid and agree to have inserted in the contract a provision for the retention by the Village of twenty per cent of the estimate made from time to time.

Proposals must be submitted on the blank forms provided by the Engineers, free of charge and must be made on the basis of cash payment for the work. The successful bidder may be required to give bond in the full amount of the contract.

Special attention of the bidders is called to the "Instructions to Bidders" in the proposal form. Bidders are to understand that construction is to commence May 1, 1923.

The right is reserved to reject any or all bids.

Dated at Ellsworth, Wis., this 25th day of Sept., 1922.

R. N. CLAPP,
Village President.

ATTEST:
M. D. WOOD,
Village Clerk.
DRUAR & MILINOWSKI,
Consulting Engineers,
500 Globe Bldg.
St. Paul, Minn.

Bids: Oct. 7.

Bridge Repairs

Trenton, N. J.

Sealed proposals will be received by the Joint Commission for the Elimination of Toll Bridges over the Delaware River, between New Jersey and Pennsylvania, until noon Saturday, October 7th, 1922, at the State House, Trenton, New Jersey, for the repairs to the bridge over the Delaware River between Milford, Pike County, Pennsylvania and Montague Township, Sussex County, New Jersey.

Proposals must be submitted on the form furnished by the Commission and accompanied by a certified check for the amount of $800, made payable to the Treasurer of the Joint Commission, as a guaranty of good faith.

Plans, specifications and estimates of the quantities are on file at the office of Louis Focht, Engineer, at 125 West State Street, Trenton, New Jersey; this being the address to which the bids are to be sent.

All bids are to be submitted in a sealed envelope marked, "Proposal for repairs to the bridge at Milford, Pike County, Pa."

The right is reserved to reject any or all bids and to waive any informality in the bids received.

LOUIS FOCHT,
Engineer to the Joint Commission.

OFFICIAL PROPOSALS

Bids: Oct. 10.

Steam Turbine and Accessories

New Orleans, La.

Sealed proposals will be received by the Sewerage and Water Board of New Orleans up to 12 o'clock, noon, Tuesday, October 10th, 1922, for furnishing one 6,000 kw. STEAM turbine and accessories.

Specifications and blank forms of proposals may be obtained at Room 303, No. 526 Carondelet Street, New Orleans.

The right is reserved to reject any or all bids.

A. G. MOFFAT,
Secretary.

GEO. G. EARL,
General Superintendent.
Aug. 10, 1922.

A Bonding Company's Suggestion to Official Proposal Advertisers

"A large part of our contract bond business is submitted to us by wire, and I am a constant reader of the Official Proposals in order to find out the size and nature of the work that is referred to in the bond application. Very frequently I am unable to get any clear idea of what the advertisers are asking bids on, and of course the prospective bidder or contractor is also at a loss to know what kind of a job is being advertised.

"Traveling expenses are heavy at the present time, and contractors pay out considerable sums during the course of a year in investigating prospective contracts. This of course is a large charge that the owners eventually pay, and anything that will reduce the general overhead of contract work will eventually be to the advantage of the owner.

"One way to reduce this overhead is to word the advertisement so that the contractor sitting in his office will know whether or not he should investigate and prepare a bid on the proposed work."

Bids: Oct. 13th.

Repavement

Lawrence, N. Y.

Sealed proposals for furnishing all labor and materials necessary for the repavement of a portion of Central Ave., Lawrence, Long Island, consisting of relaid brick gutters, and (a) Asphalt Blocks, or (b) Sheet Asphalt, or (c) Warrenite for the main pavement.

Plans and specifications can be seen at the office of the Village Clerk in Lawrence or at the Engineers in New York City.

A certified check payable to the "Village of Lawrence" for $500.00 must be filed with each proposal, which will be received at the office of the Engineers on or before 5 P.M., Friday, October 13th, 1922.

TRIBUS & MASSA,
Engineers.
15 Park Row,
New York.

EDMUND A. LYNCH, Pres.
JAMES LOUCHEIM, Clerk,
Lawrence, N. Y.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Barge Canal Terminals

Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, October 31st, 1922, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911, and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 91.

For paving a portion of the terminal site at Hallets Cove, New York City.

Contract plans, sheets 1 to 3 inclusive.

Plans may be seen and detailed specifications, engineers' estimates of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., at the offices of the Superintendent of Public Works, Erie Basin Terminal, Buffalo, N. Y., and Terminal Warehouse, Pier 6, East River, New York City.

Blueprint copies of plans will be furnished by the State Engineer and Surveyor upon the receipt at his office in the Telephone Building, Albany, N. Y., of payment at the rate of fifteen cents (15c.) per sheet. Refund will not be made for any blueprints which may be returned.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of the contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

CHARLES L. CADLE,
Superintendent of Public Works.

September 28, 1922.

OFFICIAL PROPOSALS

Bids: Oct. 31.

Hospital Construction

New York, N. Y

Sealed proposals for Construction, Heating, Sanitary and Electric Work, for Central Heating and Lighting Plant, Kitchen and Dining Room Building and Buildings for Chronic Patients (North and South), and Construction of Tunnels at the Creedmoor Division, Brooklyn State Hospital, Creedmoor, Borough of Queens, Long Island, N. Y., will be received by the State Hospital Commission, Room 1046, 25 Broadway, New York City, N. Y., until 12 o'clock noon (Standard Time), on Tuesday, October 31st, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contracts within thirty (30) days after official notice of award of contracts and in accordance with the terms of Specifications Nos. 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 3987, 3988, 3989, 3990 and 3995. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Brooklyn State Hospital, Brooklyn, N. Y., at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a certified check in the sum of $25.00 made payable to the State of New York for each set of plans and specifications, which check will be returned if plans and specifications are returned in good condition to the State Architect, L. F. Pilcher, Capitol, Albany N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: September 21, 1922.

Bids: Oct. 16.

Sewer Work

Hackensack, N. J.

The Hackensack Improvement Commission, the governing body of the City of Hackensack, Bergen County, New Jersey, requests proposals for the following work, to wit:

Contract No. 4—For the construction of about 4,600 linear feet of eight (8) inch vitrified pipe sewers, about 3,400 linear feet of twelve (12), eighteen (18), twenty (20), twenty-two (22), twenty-four (24) and twenty-seven (27) inch vitrified pipe sewers, 1360 linear feet of circular concrete sewers and 2,500 linear feet of egg shaped concrete sewers, together with manholes, catchbasins, and other works appurtenant thereto.

The foregoing work is more particularly described and set forth in the plans and specifications on file with Lemuel Lozier, Engineer of the Commission and with the Clerk of the Commission.

The plans and specifications, information for bidders, forms of proposals and contracts, forms of bonds required and other information can be seen at the office of Lemuel Lozier, Engineer of the Commission, Room 3, Bank Building, Main and Mercer Streets, Hackensack, New Jersey; copies of such plans and specifications may be obtained by bidders on making a deposit of $100.00, which deposit will be refunded upon the return of the plans and specifications in good condition.

The contract will be let to the lowest responsible bidder, subject to the right of the Commission to reject any and all bids.

All bids must be made on the form of proposal to be obtained from the Engineer of the Commission, and must give the prices both in writing and in figures, and must give such other information and be signed in the manner indicated on the form of proposal. Each bid submitted for Contract No. 4 must be accompanied by a certified check for $5,000.00, payable to the Hackensack Improvement Commission.

Checks of the unsuccessful bidders will be returned immediately upon the award of the contract. The check of the successful bidder will be returned to the bidder upon the execution of the contract and the furnishing of the bond required, within ten days after the date of the award thereof, or within such extended time as may be determined by the Commission. In case of failure to execute the required contract, and furnish the required bond within such time, such check shall be forfeited to the Hackensack Improvement Commission as liquidated damages.

The proposals herein required for Contract 4 shall be presented to the Hackensack Improvement Commission, at the Municipal Building, 346 State Street, Hackensack, Bergen County, New Jersey, on Monday, the sixteenth (16) day of October, 1922, at 8 p.m. Standard Time.

No bids will be received prior to said hour and none thereafter.

The proposals shall be submitted in sealed envelopes or packages.

The proposals shall be endorsed as follows: "Proposal for sewers Contract N. 4." The Hackensack Improvement Commission.

By SPENCER D. BALDWIN, Mayor.
WILLIAM SCHAFF, Clerk.

National Publicity Offers a Two-Fold Advantage

Giving calls for bids National publicity opens the way for additional and possibly lower offers from outside bidders to whom work can be let, if desired.

Then too, local contractors, seeing your contracts advertised Nationally will figure closer, realizing that the field of competitors for the work is greatly enlarged.

An advertisement printed in the Official Proposal Columns of *Engineering News-Record* brings the contract to the attention of not only local bidders but, in addition, any others who might be interested.

Bids: Oct. 10.

Concrete Structures: Filter Equipment and Brick Filter House

Greensboro, N. C.

Proposals will be received by the City Council of Greensboro, North Carolina, until 12 o'clock M. Tuesday, October 10th, 1922, for building a Filtration plant and appurtenances.

The work includes the construction and equipment of a six million gallon filter plant, the construction of a coagulation basin with dividing wall, capacity 1,148,000 gallons, and the construction of a mixing chamber. The principal quantities involved are:

8,000 cubic yards of earth excavation.
1,900 cubic yards of concrete.
225,00 pounds of reinforcing steel.
The equipment of six one-million gallon filter units.
80,000 brick laid in filter house walls.
Steel wash water tank of 70,000 gallons capacity.
1,000 GPM motor-operated pump.
Piping, valves, and miscellaneous items.

Plans will be on file and may be seen at the office of the City Manager, Greensboro, N. C., or at the office of The Ludlow Engineers, Winston-Salem, N. C., after September 15th. After that date copies of the Specifications, Bid Blank, and Contract may be obtained from the Engineers or City Manager. For the convenience of prospective bidders, the Engineers will furnish copies of the plans upon application accompanied by a check for ten ($10.00) dollars to cover the cost, or separate prints at one ($1.00) dollar each.

Each bid must be accompanied by a certified check in the sum of $5,000, or 5% of the amount of partial bids.

Proposals will be opened publicly with the usual rights reserved.

P. C. PAINTER,
City Manager.

J. L. LUDLOW,
Consulting Engineer.

Bids: Oct. 23.

Sewerage System

Dover, N. J.

The Board of Aldermen and the Board of Sewerage of the Town of Dover, N. J., will receive, at a joint meeting to be held on the 23rd day of October, 1922, at 2 p.m., at the Council Chambers in the Municipal Building, North Sussex Street, Dover, N. J., sealed proposals for furnishing materials and doing all work required for the construction of sewers and appurtenances.

The work includes 25.49 miles of 8 inch to 20 inch sewer, 32 tons cast iron pipe, 600 manholes, and 12,000 cu.yds. rock, and other work incidental thereto.

Plans may be seen and specifications and forms of proposals obtained at the office of the Clerk of the Town of Dover, Municipal Building, or Secretary of the Board of Sewerage, 9 South Sussex Street, in Dover, N. J., or at the office of Clyde Potts, Consulting Engineer, 30 Church Street, New York City.

Plans and specifications may be taken away upon the payment of fifteen dollars ($15.00), the same to be refunded if the plans are returned within twenty (20) days in good condition.

Each bid must be accompanied by a certified check for not less than 10% of the amount of the bid, payable to the order of the Board of Sewerage of the Town of Dover.

The Mayor and Board of Aldermen and the Board of Sewerage of the Town of Dover reserve the right to reject any and all proposals and to waive any informality in the proposals received and to accept any proposal which they deem to be most favorable to the interests of the Town.

WM. H. HOCKING,
Mayor.
EDWARD KELLY,
Pres. Board of Sewerage.
JOS V. BAKER,
Town Clerk.
MICHAEL F. MULLEN,
Clerk of Board of Sewerage.

Bids: Oct. 17.

Storm Sewers

Laredo, Texas.

Sealed proposals will be received by L. Villegas, Mayor of Laredo, Texas, until Tuesday, October the 17th, 1922, at 5:00 o'clock p.m., for furnishing materials and constructing storm sewers and appurtenances.

The approximate quantities are as follows:

Manholes				33
12"	Standard vitrified pipe			3,560 ft.
15"	"	"	"	2,064 "
18"	"	"	"	3,148 "
21"	"	"	"	1,536 "
24"	"	"	"	5,358 "

Earth excavation, 12,200 cu. yards.
Reinforced concrete, 15 cu. yards.

Each bid will be accompanied by a certified check for five hundred ($500) dollars drawn in favor of the City Treasurer of Laredo, Texas. Plans and specifications may be seen at the office of S. F. Crecelius, Civil Engineer, Puig Building, Laredo, Texas, after October the 5th, 1922.

The City reserves the right to reject any or all of the bids.

L. VILLEGAS,
Mayor.

Bids: Oct. 9.

Street Improvement

Laurel, Miss.

Sealed proposals will be received by the Mayor and Board of Commissioners of the City of Laurel, Mississippi, until two o'clock P.P., on the 9th day of October, 1922, at the office of the City Clerk of said City, for constructing approximately:

19,865 sq.yds. brick pavement with concrete foundation.
16,160 sq.yds. gravel surfacing.
20,243 lin.ft. combined curb and gutter.
4,000 sq.yds. concrete sidewalk.
with all appurtenances thereto.

Plans and profiles may be seen and specifications and proposal forms may be obtained at the office of the City Clerk of the City of Laurel, Mississippi.

J. H. PACE,
Street Commissioner.

OFFICIAL PROPOSALS

Bids: Oct. 19.

Wanaque Aqueduct—Great Notch Tunnel Contract 3—(Unit Price)

Newark, N. J.

Sealed proposals will be received from 12 o'clock noon to 12:15 o'clock P.M. (Eastern Standard Time) on Thursday, October 19, 1922, by the North Jersey District Water Supply Commission of the State of New Jersey, in its office, Room 412, 20 Clinton Street, Newark, New Jersey, and publicly opened and read at the last named hour, for the performing of all necessary work required in the carrying out of the contract for the construction of Great Notch tunnel and approaches.

The work will include the excavation and concrete lining of a 7-foot tunnel 9,100 feet in length and the construction of about 5,000 feet of 7-foot concrete aqueduct in open cut and various appurtenant structures.

A pamphlet containing the information for bidders, form for proposal, form of contract, specifications and drawings may be examined at the office of the Commission and may be obtained at said office upon deposit of $10.00, which deposit will be repaid upon the return of the pamphlet within 30 days.

All bids shall be made on the blank form supplied by the Commission, which provides for a detailed statement as to the bidder's experience and resources as well as the prices for which he will execute the respective items of work.

Proposals must be accompanied by the consent in writing of a surety company qualified to do business in New Jersey, binding itself that if the contract be awarded to the person making the proposal, the said surety company will become surety for the faithful performance of the said contract in an amount equal to 50 per cent of the contract price.

All bids must be accompanied by a certified check for fifty thousand dollars as a guarantee for the good faith of the bidder. Checks of unsuccessful bidders will be returned within 15 days, that of the successful bidder upon the execution of contract and bond.

The Commission reserves the right to reject all proposals or any proposal which may be informal, or the acceptance of which would be, in the judgment of the Commission for the reasons as suggested in "Information for Bidders," or for any other reason, detrimental to the interests of the municipalities for which the work is to be done.

By order of the North Jersey District Water Supply Commission of the State of New Jersey.

LAURENT J. TONNELE,
Chairman.

Attest: EDMOND TYLER,
Secretary.
ARTHUR H. PRATT,
Chief Engineer.
MORRIS R. SHERRERD,
Consulting Engineer.

Bids: Oct. 24.

Sewage Disposal Plant

Albuquerque, N. M.

Sealed proposals will be received at the office of the City Clerk of the City of Albuquerque, New Mexico, until 2:00 o'clock p.m. on Tuesday, the 24th day of October, 1922, for constructing a certain sewage disposal plant for the City of Albuquerque, New Mexico. Each bidder will be required to deposit with the City Clerk to the credit of the City of Albuquerque without endorsement a certified check of deposit in the sum of ten per cent of the total amount bid, as a guaranty that the bidder will enter into contract and execute all bonds and guaranty in the forms provided within ten days after the notice of award of contract to him.

Bidders are expected to inspect the site of the work and to inform themselves regarding all local conditions. Instructions to bidders, proposal and contract forms, plans and specifications are on file at the office of the City Engineer, City Hall, Albuquerque, New Mexico. Copies of plans and specifications may be secured from the city engineer on or after October 5th, 1922, upon deposit of $50.00, to be returned to contractor upon submission of a bona fide bid on the work with plans and specifications, or upon returning plans and specifications intact prior to the date of receiving bids. Otherwise the deposit will be forfeited to the City of Albuquerque.

The City of Albuquerque reserves the right to reject any or all bids.

B. H. CALKINS, City Manager.
FRANK KIMBALL, City Engineer.
IDA V. MALONE, City Clerk.

Contractors Everywhere Read These Advertisements

to see where bids are desired on contracts suited to their available plant and organization. The suggestion is therefore made to advertisers that they word their advertisements so that the contractor will get a good idea of the size and kind of work to be let, and perhaps the plant needed. This should result in an increased number of desirable bidders.

Bids: Oct. 11.

Laundry Equipment

Utica, N. Y.

Sealed proposals for Additional Laundry Equipment at the Utica State Hospital, Utica, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock p.m. (Standard Time) on Wednesday, October 11, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 3939. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Utica State Hospital, Utica, N. Y.; at the New York Office of the Department of Architecture, Room 1058, 25 Broadway, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary, State Hospital Commission.
Dated: September 26, 1922.

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Swart Service Really Serves.

SWART

Contract Bonds
Compensation Insurance
92 William St., New York

OFFICIAL PROPOSALS

Bids: Oct. 19.

Wanaque Aqueduct—Great Notch Tunnel Contract 4—(Lump Sum)

Newark, N. J.

Sealed proposals will be received from 12 o'clock noon to 12:15 o'clock P.M. (Eastern Standard Time), on Thursday, October 19, 1922, by the North Jersey District Water Supply Commission of the State of New Jersey, in its office, Room 412, 20 Clinton Street, Newark, New Jersey, and publicly opened and read at the last named hour, for the performing of all necessary work required in the carrying out of the contract for the construction of Great Notch tunnel and approaches.

The work will include the excavation and concrete lining of a 7-foot tunnel 9,100 feet in length and the construction of about 5,000 feet of 7-foot concrete aqueduct in open cut and various appurtenant structures.

A pamphlet containing the information for bidders, form for proposal, form of contract, specifications and drawings may be examined at the office of the Commission and may be obtained at said office upon deposit of $10.00, which deposit will be repaid upon the return of the pamphlet within 30 days.

All bids shall be made on the blank form supplied by the Commission, which provides for a detailed statement as to the bidder's experience and resources as well as the price for which he will execute the work.

Proposals must be accompanied by the consent in writing of a surety company qualified to do business in New Jersey, binding itself that if the contract be awarded to the person making the proposal, the said surety company will become surety for the faithful performance of the said contract in an amount equal to 50 per cent of the contract price.

All bids must be accompanied by a certified check for fifty thousand dollars as a guarantee for the good faith of the bidder. Checks of unsuccessful bidders will be returned within 15 days, that of the successful bidder upon the execution of contract and bond.

The Commission reserves the right to reject all proposals or any proposal which may be informal, or the acceptance of which would be, in the judgment of the Commission for the reason as suggested in "Information for Bidders," or for any other reason, detrimental to the interests of the municipalities for which the work is to be done.

By order of the North Jersey District Water Supply Commission of the State of New Jersey.

LAURENT J. TONNELE,
Chairman.

Attest: EDMOND TYLER,
Secretary.
ARTHUR H. PRATT,
Chief Engineer.
MORRIS R. SHERRERD,
Consulting Engineer.

Bids: Oct. 16.

Junior High School Building

Altoona, Pa.

Proposals will be received by the School District of Altoona, Penna., until 8 p.m., October 16th, for the erection and completion of a Junior High School 224 x 232 ft., three stories and basement, fireproof, also proposals for Heating and Ventilation, Plumbing and Electric Work.

Further information will be supplied on application to the Architect.

JULIAN MILLARD,
Registered Architect,
Altoona, Penn.
WM. B. ITTNER,
Consulting Architect.
W. N. DECKER,
Secretary,
Altoona School District.

CONTRACT BONDS FOR RESPONSIBLE CONTRACTORS

You cannot consistently refuse to sign a friend's bond, if you have already asked HIM to sign YOUR bond; don't hamper yourself with an obligation that may prove embarrassing.

ÆTNA CASUALTY AND SURETY COMPANY

HARTFORD, CONN. AGENTS EVERYWHERE

OFFICIAL PROPOSALS

Bids: Nov. 1.

Hospital

Irvington, N. J.

Sealed proposals for furnishing all the necessary labor and materials for the erection and completion of the new Irvington Hospital, will be received by the Board of Commissioners of the Town of Irvington, N. J., and will be publicly opened and read at a meeting of the said Board of Commissioners to be held in the Town Hall, Irvington, N. J., at 8 p.m., Wednesday, November 1st, 1922 (standard time).

The building will be located on the southeast corner of Chancellor Avenue and Park Place, Irvington, N. J.

Proposals will be received for the following:

Item No. 1. Mason work; carpenter work; iron and steel work; sheet metal and roofing work; glazing; painting; elevator and dumb waiter.

Item No. 2. Plumbing and gas fitting.

Item No. 3. Heating and ventilating.

Item No. 4. Electrical work.

Contractors may bid on any or all items, but separate bids must be submitted for each item.

Each proposal must be accompanied by a certified check for 5 per cent of the amount of such bid, payable to the order of the Board of Commissioners of the Town of Irvington, N. J., or a bid bond in the amount of 5 per cent of such estimate, issued by a surety company approved by the said board, and authorized to conduct business in the state of New Jersey. The successful bidder will be required to furnish the said board within ten days of the award of the contract by the said Board of Commissioners, a bond executed by an approved surety company in the sum of one hundred per centum (100%) of the amount of said contract, conditioned on the faithful performance of the contract.

Should the bidder refuse or neglect to sign the said contract and furnish the said bond within ten days after notification from the Board of Commissioners that the contract has been awarded to him, he shall agree to forfeit the certified check accompanying the bid, or the amount of the bid bond, and said amount shall become the property of the Board of Commissioners.

Plans and specifications of items No. 1 and No. 2 may be seen at the office of Jos. B. Allen, Architect, 1091 Sanford Ave., Irvington, N. J., and of items No. 3 and No. 4 at the office of Runyon and Carey, Engineers, 843 Broad Street, Newark, N. J., between the hours of 9.30 a.m. and 4.30 p.m. and copies may be obtained from them by depositing the sum of twenty-five dollars ($25), which will be returned after bids are received and on return of the plans and specifications.

Any contractor obtaining plans and specifications and not submitting a bid must forfeit his deposit.

The Board of Commissioners reserves the right to waive informalities and to accept or reject any or all bids.

All proposals must comply in all respects with the instructions and general conditions forming a part of the specifications.

Each contractor shall state in his proposal the time he will require for completing the work and shall guarantee completion in such time.

Each proposal must be enclosed in a sealed envelope properly endorsed with the name of the bidder and marked "Proposal for erection of Irvington Hospital," and must state the kind of work for which the proposal is submitted.

HENRY P. BEDFORD,
Director Parks and Public Property.
W. H. JAMOUNEAU,
Town Clerk,
Irvington, N. J.
October, 1922.

Bids: Sept. 1, 1923.

Sydney Harbour Bridge

New South Wales, Australia.

INTENDING TENDERERS are hereby notified that the time for receipt of Tenders at Sydney, New South Wales, for the construction of the Superstructure and Substructure of a Cantilever Bridge across Sydney Harbour has been extended by the New South Wales Government until 1st September, 1923.

T. A. COGHLAN,
Agent-General for New South Wales.
Australia House, London, W. C. 2.
14th July, 1922.

U. S. GOVERNMENT

PROSPOSALS FOR LEVEE WORK.—Office of the Secretary, Mississippi River Commission, 1311 International Life Building, St. Louis, Mo.—Sealed proposals will be received here until 11 a. m. Oct. 11, 1922, for constructing about 545,000 cubic yards of earthwork by the hydraulic method in the Bay Island Drainage and Levee District No. 1, Ill. Further information on application.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Sept. 29, 1922.—Sealed proposals will be opened in this office at 3 p.m., Oct. 27, 1922, for extension to workroom, mailing vestibule, etc., United States Post Office, Rochester, Minn. Drawings and specification may be obtained from the Custodian at the building, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

COMMISSIONERS, D. C., Washington, October 6, 1922. Sealed proposals for constructing about eight hundred ninety feet of sewer will be received at Room 509, District Building, until 2 o'clock p.m., October 20, 1922. For detailed information, apply to Room 427, District Building. CUNO H. RUDOLPH, JAMES F. OYSTER, CHARLES KELLER, Commissioners, D. C.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock noon, Oct. 23, 1922, and then opened, for dredging in New Haven Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, NASHVILLE, TENN.—Sealed proposals will be received here until 11 a.m., Oct. 23, 1922, and then opened, for 3 steel dump scows. Further information on application.

SEALED PROPOSALS, indorsed "Proposals for Buildings, Tupper Lake, N. Y., Specifications No. 4710," will be received at the Bureau of Yarks and Docks, Navy Department, Washington, D. C., until 11 o'clock a.m., October 11, 1922, and then and there publicly opened, for buildings at the U. S. Veterans' Bureau Hospital, Tupper Lake, N. Y. The work will include plain and reinforced concrete; artificial stone; hollow tile and brick work; wood framing, sash, doors and finish; plaster and metal lath; slate, promenade tile and tin roofing; sheet metal work; interior marble and tile work; steel sash; steel covered doors; miscellaneous metal work; composition flooring; linoleum; fire escapes; hardware; painting and glazing; electrically and hand-operated dumbwaiters; plumbing; heating; electric light and power; telephones; call bells. Drawings and Specification No. 4710 may be obtained on application to the Bureau of Yards and Docks. Deposit of a check or postal money order for $100, payable to the Chief of the Bureau of Yards and Docks, is required as security for the safe return of the drawings and specification. L. E. GREGORY, Chief of Bureau, September 14, 1922.

U. S. GOVERNMENT

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., Sept. 18, 1922. Sealed prosposals will be opened in this office at 3 p.m. Oct. 16, 1922, for construction (except mechanical equipment) of an Infirmary Group (four brick and concrete buildings two and three stories, with a total ground area of 44,600 square feet) for the United States Veterans' Hospital, at Chelsea, N. Y. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment, and organization to insure speedy completion of the contract, and who have established a record for expedition on contracts of similar character and magnitude. Before drawings and specifications are forwarded to prospective bidders, applicants must cite at least one specific instance where a record for speed has been established on a job of equivalent magnitude, giving date of award of contract, amount of contract, specified time for completion and date of actual completion. The fact that any concern obtains a set of the plans and specifications from any source whatever and submits a bid shall not constitute a waiver of the foregoing stipulations. JAS. A. WETMORE, Acting Supervising Architect.

PROPOSAL FOR PIER REMOVAL, ETC.—U. S. Engineer Office, Room 1201, 537 South Dearborn Street, Chicago, Illinois. Sealed proposals for pier removal, dredging, etc., in Calumet Harbor, Illinois, will be received here until 10 a.m., October 24, 1922, and then opened. Further information on application.

SEALED PROPOSALS for insulating 6 in. and 8 in. Sewer Lines at Picatinny Arsenal, Dover, N. J., will be received and publicly opened at 11 a.m., Oct. 11, 1922, at Constructing Quartermaster's Office, Room 510, 39 Whitehall St., N. Y. City, N. Y. Information at above address.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—Sealed proposals will be received here until 11 a.m., October 30, 1922, and then opened for constructing stone-concrete superstructure on breakwater, Buffalo Harbor, N. Y. Further information on application.

U. S. ENGINEER OFFICE, PROVIDENCE, R. I. Sealed proposals will be received here until 12 o'clock, noon, Oct. 30, 1922, and then opened for maintenance dredging in Milford Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, MOBILE, ALA.—Sealed proposals will be received here until 11 o'clock a.m., Oct. 10, 1922, and then opened, for the construction of one 100-ft. Diesel-Electric towboat. Further information on application.

Notice to Advertisers

Owing to the holiday—Columbus Day, Thursday, October 12th, the *"Searchlight"* pages of the October 12th issue of *Engineering News-Record* will close for press earlier than usual. Copy should reach us as follows:

Display Ads—
Copy required by 5 P. M., Friday October 6th.

Want Ads—
Copy required by 10 A. M., Saturday, October 7th.

Proposal Ads—
Copy required by 10 A. M., Monday, October 9th.